849160012

Part I

PASSAIC RIVER STUDY AREA DIAMOND ALKALI SUPERFUND SITE 02-BN

◆ PASSAIC VALLEY SEWERAGE COMMISSIONERS ("PV5c")

STUDY/REPORTS CONDUCTED BY PVSC ON VARIOUS COMPANIES

1) ALLIANCE CHEMICAL	11) ELAN CHEMICAL COMPANY
2) ATLAS REFINERY, INC.	12) ESSEX INDUSTRIAL CHEMICALS COMPANY
3) AUTOMATED ELECTRO-PLATING CO.	13) FAIRMOUNT CHEMICAL COMPANY
4) BARTH SMELTING & REFINING CORP.	14) MONSANTO INDUSTRIAL CHEMICALS COMPANY
5) B-LINE TRUCKING	15) SERGEANT CHEMICAL COMPANY
6) BASF WYANDOTTE CORPORATION	16) SHERWIN-WILLIAMS CORP.
7) BENJAMIN MOORE & CO.	17) SUN CHEMICAL CORP.
8) CELLOMER CORP.	18) U.S. INDUSTRIAL CHEMICALS COMPANY,
9) CHEMICAL COMPOUNDS, INC.	Div. National Distillers & Chem
10) E.I. DuPont De Nemours & Co. (DUPONT)	19) VULCAN MATERIALS COMPANY, CHEMICALS DIVISION
(PITT-CONSOL CHEMICALS (CONOCO)	20) WALTER KIDDE & CO.
urkansas Company The	
a gado Chemical	0
o /	
0	
.	Q

INDUSTRIAL SEWER CONNECTION APPLICATION

Name Adio Chemical Company Number & Street 91-12) Rutherful St
Number & Street 91-121 Rutherford St
Municipality Newark N 5 07105
Primary Standard Industrial Classification Code Industrial User
Principal Product AQUEOUS AND SOLVENT BASED PULTME
Principal Raw Material MONOMERS
Flow (Indicate the volume of waste discharged to the PVSC system in thousand gallons per day and whether the discharge is intermittent or continuous)
The undersigned being the OWNER of the above (owners, lessee, tenant, etc.)
property does hereby request a permit to
dustrial sewer connection to discharge into the 96 inch
dustrial sewer connection to discharge into the 96 inch PUSC sewer located at Delawy 57. (municipality, PVSC)
The size of the connection is inches.
A plan of the property showing accurately all sewers and drains
now existing, together with existing or proposed sampling point, is
attached hereto as Exhibit "A". Dwc No RG 021277
Details of the connection to the public sewer is shown as Exhibit "B". • $OWGNORGONO$

A schedule of all process waters and industrial wastes produced or expected to be produced at said property, including a description of the character of each waste, daily volume, maximum rates of discharge, duration of discharge, and a representative analysis is attached as Exhibit "C".

849160013

	The	name	and	telephone	number	of	the	person	to	call	for	further
deta	ils	is		W	George		Pa	rker	5	89-	808	380

In consideration of the granting of this permit, the undersigned agrees:

- (1) To furnish any additional information relating to the installation or use of the industrial sewer for which this permit is being sought, if requested by PVSC.
- (2) To accept and abide by all the rules and regulations of the PVSC and of the approving municipality.
- (3) To operate and maintain any waste pretreatment facilities, if such facilities are required by the USEPA, the NJDEP, or the PVSC, in an efficient manner at all times, at no expense to PVSC.
- (4) To cooperate at all times with the PVSC and their authorized representatives in their inspection, sampling and studying of the industrial wastes, and any facilities for pretreatment.
- (5) If the industry is classified as a major industry (USEPA definition) then, if requested by PVSC, install sampling or monitoring equipment as approved by PVSC.
- (6) To pay user charges and industrial cost recovery charges when such charges are promulgated by PVSC.
- (7) To notify PVSC immediately in the event of an accident, negligence or other occurrence that occasions a discharge to the sewer of any waste not covered by the permit or of a discharge to any of the streams under the jurisdiction of the PVSC.
- (8) To comply with all applicable Federal and State statutes and regulations as well as the terms of any National Pollutant Discharge Elimination System Permit to Discharge issued by the United States Environmental Protection Agency to the PVSC.

DATE:	SIGNED:	Dear Parlin
	-	(Application) Vin Prendent (Title)

If a corporation, attach resolution giving authority to make application

The undersigned hereby certif:	ies that it is the owner of the							
property and agrees that it will be	responsible for all user charges							
and/or industrial cost recovery for any industrial waste emanating								
from the above property, and failure to pay such costs when levied								
shall subject the property to a lien on such property not to be lifted								
until all such costs plus interest	shall be paid.							
DATE:	SIGNED: Des Chemil Company							
	TITLE: Vic Freudent							
If a corporation, attach reso	lution giving authority to sign ap-							
plication.								
The (municipality)	_ hereby approves the above applica-							
(municipality)	hereby approves the above applica-							
(municipality) tion and certifies to PVSC that it								
(municipality) tion and certifies to PVSC that it	will be responsible for payment for above plant into the PVSC system in							
(municipality) tion and certifies to PVSC that it the wastewater discharge from the a	will be responsible for payment for above plant into the PVSC system in							
(municipality) tion and certifies to PVSC that it the wastewater discharge from the a	will be responsible for payment for above plant into the PVSC system in							
(municipality) tion and certifies to PVSC that it the wastewater discharge from the a accordance with the rules and regul	will be responsible for payment for above plant into the PVSC system in ations of the PVSC.							
(municipality) tion and certifies to PVSC that it the wastewater discharge from the a accordance with the rules and regul	will be responsible for payment for above plant into the PVSC system in ations of the PVSC. SIGNED: (Authorized Municipal Official)							
(municipality) tion and certifies to PVSC that it the wastewater discharge from the a accordance with the rules and regul	will be responsible for payment for above plant into the PVSC system in ations of the PVSC. SIGNED: (Authorized Municipal Official)							

Clerk of the Passaic Valley Sewerage Commissioners

SIGNED:

Printed/Typed Name



State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Proteam
Manifest Section
CN 421, Trenton, NJ 08625-0421

ENV SYS

ane type or print in block letters. (Form de	signed for use on clit		.)			proved OMB I	Vo. 2050 C	000 Lauren
UNIFORM HAZARDOUS WASTE MANIFEST	1 NJ Draigi	32154088	123	anifest	2. Page 1 of			shaded aren y Federal law
3. Generator's Name and Mailing Address ADCO CHEMICAL CO NEWARK 4. Generator's Phone (201)58	44 NJ 0	7 RUTHERFOR 7105	D ST		B 4 S ate	WTHERP	.928 (Bn. Site	Address)
5. Transporter 1 Company Name SAFETY HLEEN 7. Transporter 2 Company Name	carp,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A ID Number	NAKKIO 	D. Transp	Decal No	(908)	16-30 1-7-69 862-200
9. SKFETY FRUETER TURP !! 1200 SYLVAN STREET	dress 000635	10. US EP.	A ID Number			Decal No porter's Phone		
L.INDEN.	NJ 07036	1500 dru	82897	<u> </u>	H. Facility)B) 86	2-2000
11. US DOT Description (Including Proper IIM D Number and P RQ WASTE F X (XYLENE)	acking Group)		S.	No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
3 UN1993 PG I	I (F003)(E	RG#27) 		001		4360		
		obalay - Procure dan 1888 bag 1886 ba anto compression of Security			 			
c								
d						- 		
J. Additional Descriptions for Materials Li ALIPHATIC HYDROCARBO AXYLENE 27% (2/1/1)	ON 49% ETI	IYL BENZENE JUENE	5% 1%	To the second of	1501 a. B.	Codes to	Vastes Lis	ited Above
OIL 18%	d.,,,				b ,	0.	d.	
15. Special Handling Instructions and Add CAMPLE #088906 CONTROL #57270-1	itional Information	0000 000			0 0-0		-	
16. GENERATOR'S CERTIFICATION: I he		EMR# 1-7	2005 E	3:	C C		D:	
classified, packed, marked, and labele government regulations. If I am a large quantity generator, I cer	ed, and are in all resp lify that I have a progra	ects in proper conditions in place to reduce the	n for transpo	rt by highwa	ay sccordin	ng to applicable ated to the deg	internati	ional and nation
economically practicable and that I have future threat to human health and the eather heat waste management method the	nvironment; OŘ, lf I an	na small quantity general that I can afford.					waste ger	neration and sele
Printed/Typed Name JOHN BROOKS 17. Transporter 1 Acknowledgement of Re	called at Materials	Signature	Jeh	20	ush	-		onth Day Ye
Printed/Typed Name DU N 4 L D MC G L	UAN	Signacile	rull	m'	ph			onth Day Ye
18. Transporter 2 Acknowledgement of Re Printed/Typed Name	ceipt of Materials	Signature		t .		<u> </u>	M	onth Day Yi
JA - Charlet,	# 1 Manis	I South -	a-Glab.	€ ⊃				

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item



Grinding Vehicles - Resins - Varnishes - Chemicals

148 - 154 Rome Street Newark, New Jersey 07101

Phone: [201] 589-0880

April 19, 1973

Mr. A. Zach Chief Engineer City of Newark City Hall 920 Broad Street Newark, New Jersey 07102

Re: Statement regarding Company Responsibility for our Sanitary Sewer tie-in at the Drop Manhole in Delancy Street.

0

Dear Mr. Zach:

Adco Chemical Company, Saves the City of Newark, New Jersey, and the Passaic Valley Sewerage Commission, harmless of any claims that may result from our 6" sanitary sewer tie-in at the drop manhole in Delancy Street, Newark, New Jersey, with regard to the back-flooding of the existing 84" South side Interceptor Sewer.

Very truly yours,

ADCO CHEMICAL COMPANY

W. George Parker Executive Vice President

cc: Mr. S. A. Lubetkin /
Chief Engineer
Passaic Valley Sewerage Commission



Grinding Vehicles - Resins - Varnishes - Chemicals

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148 - 154 Rome Street Newark, New Jersey 07101

Phone: [201] 589-0880

April 19, 1973

Mr. A. Zach Chief Engineer City of Newark City Hall 920 Broad Street Newark, New Jersey 07102

Re: Sanitary Sewer Tie-in at Existing Drop Manhole in Delancy
Street for Adco Chemical

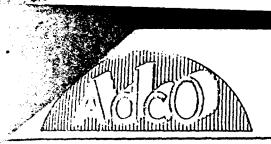
0

Dear Mr. Zach:

In accordance with the recent telephone conversations of Mr. Polifroni of Straubing & Rubin Consulting Engineers, with you and also Mr. S. A. Lubetkin of the Passaic Valley Sewerage Commission in regard to our sanitary sewer tie-in at the drop manhole in Delancy Street, for Adco Chemical, the following information is attached herewith:

- 1. Drawing #C-521-201-H Rev. 4, that shows the proposed routing of the new 6" cast iron sanitary sewer line.
- 2. A statement with regard to our Company's responsibility concerning the possible "Back Flooding" of the 84" South-side Interceptor Sewer.

The 6" sanitary sewer tie-in at the drop manhole in Delancy Street is necessary, inasmuch that the existing septic tank that handles sanitary wastes from Building #3 and #9 has to be abandoned, so that new equipment, essential to Plant Operations can be installed in the immediate area.



Grinding Vehicles - Resins - Varnishes - Chemicals

148 - 154 Rome Street Newark, New Jersey 07101

O

Phone: [201] 589-0880

Mr. A. Zach Page 2 April 19, 1973

Expedited scheduling of the 6" sewer tie-in at the Delancy Street drop manhole and the determination as to whether or not our contractor shall be permitted to do same, will be greatly appreciated.

Very truly yours,

ADCO CHEMICAL COMPANY

W. George Parker Executive Vice President

cc: Mr. S. A. Lubetkin V Chief Engineer Passaic Valley Sewerage Commission

Attachments



ALPHA METALS INC.

ANALYTICAL PINISION EMISSION

DIVISION EMISSION SPECTROGRAPH & VACUUM X-RAY & ATOMIC ABSORPTION & CHEMICAL ANALYSIS & X-RAY DIFFRACTION & METALLOGRAPHY & PHYSICAL TESTING

REPORT OF ANALYSIS

REPORT NO. W-574-24

May 28, 1974

OUR ANALYSIS OF THE SAMPLE(S) OF:

WasterWater

FROM: Adco Chemical Company, Newark, New Jersey

MARKED: as per Bruno Zoneraich

Milligrams/Liter

pH turbidity Chloride ' Oil & Grease BOD 5.5 6,750 JTU 15.2 34 370

By

Carol Conway, Senior Environmental Chemist

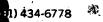
ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

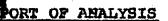
(Note: Analyses should be based on a 24-hour composite sample)

Characteristics of Plant Waste discharif any. Indicate units of measure where app		sewer, after treatment
a) pH:	b) Turbidity: 6,750	JTU
c) Temperature:	d) Radioactive? Yes	No
c) Solids Concentration: 1) Total Solids 1700 Mg/1 2) Suspended Solids 780 Mg/1		lineral 100 Mg/1 350 Mg/1
f) Oil and Grease Concentration: 1) Floatable Oils	Mg/l	
g) Chlorides 15.2 M		
h) Chemical Oxygen Demand (C.O.D.):		
i) 5-day Bio-chemical Oxygen Demand (B.O		
j) Total organic carbon (T.O.C.):	1.1	omg/1
k) Metallic Ions—Name and concentration (hex. and triv. Antimony, Lead, Mercury, total daily discharge of each metal.) NONE	Copper, Vanadium, Nickel;	give concentration and
1) Toxic Material—Name and concentration	e.g., cyanide saits, etc.):	
m) Solvents-Name and concentration:	NONE	
n) Resins—Name and concentration (Lacque		
o) Date and time span of sample 8 hr.	omposite 5/28/74 & 0	6/26/74
Explain hours, method of discharge of (continuing for 8 hours per day, 5 days per version minutes at 100 gal./min.) (Continuous 24 3 M.G.D.) etc.	f waste to Sanitary Sewer and week at 100 gal./day rate) (ba	peak rate of flow, e.g., atch twice a day for 20
Fifty percent for hal	f of processing cycle.	
One hundred percent d	ischarge for other ha	lf processing
cycle. Batch twice a	day for 200 gals/min.8	k twice for

Characteristics of Plant Discharge Indicate units of measure where applicab		Ditch, after treatment if any.
a) pH:	b) Turbidity:	•••••••••••••••••••••••••••••••••••••••
c) Temperature:	d) Radioactive? Yes	s No
c) Solids Concentration: Notu	Applicable	
1) Total Solids	Volatile	Mineral
2) Suspended Solids	Volatile	Mineral
f) Oil and Grease Concentration:		
1) Floatable Oils		
2) Emulsified Oils		•••••
g) Chlorides		•••••
h) Chemical Oxygen Demand (C.O.D.)	:	
i) 5-day Bio-chemical Oxygen Demand (1	B.O.D.):	
j) Total Organic Carbon (T.O.C.):	••••••	
k) Metallic Ions—Name and concentration hex. and triv. Antimony, Lead, Merc total daily discharge of each metal.):	ury, Copper, Vanadium, Ni	ckel; give concentration and
I) Toxic Material—Name and concentration: m) Solvents—Name and concentration:	on (e.g., cyanide salts, etc.):	
n) Resins—Name and concentration (L		
o) Date and time span of sample:		
Do you pretreat any waste before discharg	ge?	•••••••••••••••••••••••••••••••••••••••
If so, describe process and disposal of resid		
Certification of Laboratory doing shall be those shown in the 13th edition of Wastewater, where applicable. If no produce used in analyses.	of Standard Methods for the cedure is applicable, the lab	Examination of Water and
, «Xx., «a	Signature and title	of person preparing report
	5	T. L.

al laboratories







Total Solids
Total Volatile
Suspended Solids
Suspended Volatile

COD

June 26, 1974

3

OUR ANALYSIS OF THE SAMPLE (S) OF: Waste Water

FROM: Adco Chemical Company, Newark, N.J.

MARKED: as per Bruno Zoneraich

Millig	rams/I	iter
1,700	• · · · · · · · · · · · · · · · · · · ·	
780 430 3.624		

113

By: Carol Conway, Senior Environmental Chemist

F	OR	M	A	PPROVED	
0	MB	N	ο.	158-R0100)

FORA	GEN	ICY	' US	E

STANDARD FORM A-MUNICIPAL

SECTION IV. INDUSTRIAL WASTE CONTRIBUTION TO MUNICIPAL SYSTEM

Submit a description of each major industrial facility discharging to the municipal system, using a separate Section IV for each facility description. Indicate the 4 digit Standard Industrial Classification (SIC) Code for the industry, the major product or raw material, the flow (in thousand gallons per day), and the characteristics of the wastewater discharged from the industrial facility into the municipal system. Consult Table III for standard measures of products or raw materials. (see instructions)

1.	Major Contributing Facility (see instructions)		(see instructions)									
	Name	401á	Adco Chemical Company									
	Al amband Sharek	401b	91 - 127 Rutherford Stree	et								
	Number& Street	4015	Newark									
	City	401c										
	County	401d	Essex									
	State	401e	New Jersey									
	Zip Code	401f	07105	1 Dee								
2.	Primary Standard Industrial Classification Code (see instructions)	402	2899	Augenelde Junits (See								
3.	Principal Product or Raw Material (see Instructions)			Quantity Table III								
	Product	403a	Alkyds, Varnishes,	_ A03c 403e								
			Latex Polymers,									
	Raw Material	403b	Vegatable Oils, Thinner	403d 403f								
			Phthalic Anhydride	V 2000 × 2000 M								
4.	Flow Indicate the volume of water discharged into the municipal system in thousand gallons per day	404a	thousand gallons per day									
	and whether this discharge is intermittent or continuous.	404b	☐ Intermittent (Int) ☑ Continuous (con)	AB =								
5.	Pretreatment Provided Indicate if pretreatment is provided prior to entering the municipal system	405	□ Yes									

6. Characteristics of Wastewater (see instructions)

	Parameter Name	TS	TURB	TSS	COD	TOC	OIL	CL ₂	BOD
4068	Parameter Number	00500	00700	00530	00340	00680	00550	00940	00310
406b	Value	9492	3125	2930	3000	230	2667	49.63	85

SEWER CONNECTION APPLICATION/PERMIT CHECK OFF LIST

1)	NAME: ADCO Chem
_	ADDRESS: 91-127 Rutherford St.
	Newar R NJ
٥,	
2)	PART I:
	PART II:
3)	// Alphabetical Card
	// Schedule Card
	// SIC Card
	// Section IV Made Due In SA Report
4.	
4)	DESIGNATION NOUSTRIAN USER
	// MCI // PMCI TOXIC // PMCI H.M. // PMCI INCOMPATIBLE
	// TAX EXEMPT // USER
5)	SCP DATES
	Rough CompletedApproved
	MailedSchedule Card Completed
	Computer
6)	FOLLOW UP NOTES
	Original application made apolate som
	City of NorK is I of Ille was Kindy to
	Consection to PVSC Interceptor Checked Drawings
	Consection to PV St Interceptor the tree promises
	in Emgineering Dept City of NWK Sewer Kd Moller
	confined findings. Spoke to MI Packer at Adie april
	12/11 5 87 cl / fly 1 Explaining His Duffeare
	2/2 Mill va / Vr Qued litter 7-17-19
	/ PVSC Form PC-1 3/79

MEMORANDUM

TO: S. A. LUBETKIN, CHIEF ENGINEER

FROM: FRANK P. D'ASCENSIO

SUPERVISOR OF INDUSTRIAL WASTE

DATE: JULY 30, 1975

800-141

RE: REPORT OF CHEMICAL SPILL - ADCO CHEMICAL COMPANY, NEWARK, N.J.

At approximately 2:15 p.m. on Tuesday, July 29, 1975, Lou Cuccinello called to inform me of a pollution complaint at Adco Chemical Co., 151 Rome St., Newark, N.J. I proceeded to the site and met Joseph Racioppi of Newark's Bureau of Industrial Hygiene, who was interviewing Phillip Vara, Technical Service Manager of Adco.

I observed puddles of milky white material on the street at two locations and evidence that large quantities of the liquid had flowed north along Rome Street to a catch basin on the southwest corner of the Rome Street & St. Charles St. intersection. The catch basin was about 2/3 full of solid white material. Two water hoses were running clean water onto the sidewalk and into the street.

According to Mr. Vara, the plant had been making an experimental batch of an acrylic emulsion used for the latex paint trade when it began to set up in their reaction kettle. This occurred on Monday evening, July 28 at about 6 p.m. Shop personnel, under Mr. Vara' direction, dumped the batch on the floor to empty their reaction kettle and prevent damage. This operation was completed at about 7:30 p.m.

Since normal batches are miscible in water, he felt they could possibly dissolve the batch in water and run it to the sewer. He also had shop personnel lay hoses along the floor in an attempt to contain the approximately 2,000 gallons. It was apparent that this procedure was only marginally successful. Off-shift personnel had been directed to shovel the material into drums for disposal by the contract scavenger (Giordano) who serviced the plant. I took a one-quart sample of the material on the floor.

Lou Cuccinello arrived about 2:40 p.m. and we continued the inspection. The building sewer trench was plugged and the solid material had already settled. A sanitary sewer sump in another area was plugged with the same product and the floor under the reaction kettle was covered to the depth of about 2 inches. Two shop personnel were shoveling the material into drums but had not made much progress.

We directed that the water hoses be shut off and that the material be picked up immediately by an outside firm. (Incidentally, the plant manager, Robert Harvey, stated that similar batch dumps had occurred two other times in the past 12 months.) Mr. Vara contacted Ralph Everett, the Purchasing Agent of Adco, and asked him to arrange for pick-up of the material. At 4:25 p.m. Mr. Vara reported that Glasses Company was in the process of cleaning up the material. Mr. Vara was also notified that PVSC and Newark would most likely contact Wally Parker, President of Adco regarding this incident.

I made a follow-up inspection at 9 a.m. Wednesday, July 30, and noted that the cleanup was 95% complete. Mr. Vara stated that Glasses Company had picked up 2500 gallons of material

I called Ray Nesto and Billy Marks of the City of Newark and reviewed the situation. Billy Marks and I are meeting Friday, August 1, to discuss options under the Newark NPDES permit and sewer ordinance, as it is actually Newark's responsibility.

Frank P. D'Ascensio

FPDA:maa

cc: L. Cuccinello

A. Goldberg

Lunk

August 1, 1975

Mr. Wally Parker, President Adio Company 150 Rome Street Newark, New Jersey

800-150

RE: Pollution spill on July 29, and July 30, 1975.

Doar Mr. Parker:

On July 30, 1975, at 10:00 a.m., I received a telephone call from Mr. Frank D'Ascensio of the Passaic Valley Severage Commission. Mr. D'Ascensio conveyed that your company on Rome Street had created a pollution spill that washed into the City of Newark sever system. Mr. D'Ascensio took a sample for laboratory analysis.

On this same day, at approximately 2:20 p.m., myself and an associate, Mr. Frank Sudol inspected your Adib plant on Rome Street. This inspection revealed two men washing and sweeping a white colored pollutant into a street storm sewer located on Rome Street in front of your company.

Photographs were taken of this activity, and a Mr. Pulvio Vara, your acting representative, was questioned. Mr. Vara stated that you had hired the services of a firm named Jess for the clean-up operation. Thistelean-up was not to include washing the pollutant into the city storm sever.

At the present time your potentially face a one-year jail sentence and/or a maximum fine of \$25,000.00.

Since this is my first contact with you, I do not feel it would be in our cooperative interests if I were to press for maximum penalties - however,

A.G.LOBERC S. A. LUBETKIN E, MOLLER

I am requesting the followings:

- 1. A complete clean-up of all politican sources.
- 2. That you inform your employees of your liability.
- 3. That you report all future spills to my department as they occur.
- 4. That you respond to me of your clean-up progress and intentions.

It is my hope and function to work for a cleaner Newark environment.

Very truly yours,

Mr. Billy Marks Senior Environmental Analyst

BM/tj

CC: Mr. Vara, Adio Company

Mr. D'Ascensio, Passiac Valley Semerage Commission

Mr. Alvin L. Zach, P.R., Director, Department of Engineering Mr. Liss, Principal Engineer, Department of Engineering

el a dia Vical laboratories



1) 434-6778

PORT OF ANALYSIS

REPORT

June 26, 1974

OUR ANALYSIS OF THE SAMPLE (S) OF: Waste Water

FROM: Adco Chemical Company, Newark, N.J.

MARKED: as per Bruno Zoneraich

Milligrams/Liter

Total Solids	1.700
Total Volatile	1,600
Suspended Solids	780
Suspended Volatile	430
COD	3,624
TOC	113

By: Carol Convay, Senior Environmental Chemist



CITY OF NEWARK, NEW JERSEY KENNETH A. GIBSON, MAYOR

DEPARTMENT OF HEALTH AND WELFARE

JAMES A. BUFORD, DIRECTOR

WILLIAM H. WALLS

ARMAND E. LEMBO, DIRECTOR DIVISION OF INSPECTIONS

Aug. 4, 1975

Frank P. D'Ascensio, Cumervisor of Industrial Waste Passaic Valley Sewerage Commissioners 600 Wilson Avenue Howark, N. J. 07105

800-156

Pear Sir:

On July 29, 1975, a complaint, claiming odors permeated the area around Rome Street, was registered at the Bureau of Industrial Hygiene & Air Pollution Control of the City of Newark, N.J. by Mr. R. Reders of 139 Rome Street, Newark, N.J.

This complaint was assigned to Inspector George Porrison. His investigation revealed that a substance was dumped intentionally into the sanitary serage cystom untreated. Some of this substance was also discharged onto the side-walk area and into the storm sowers. This substance was a 2,100 mal extensional batch of Acrilic Emulsion that was to have been water solubble. It started to set in the process kettle, at this point Philip Vara Tech. Genvice Mar. ordered Robert Harvey, Plant Par.to discharge the contents of the bettle. This occurred at approximately 6:00 p.m. on July 28, 1975 at 150 Pene Street. A.K.A as Adoo Chemical Co.

Tr. Torrison requested the aid of a Canitary Inspector. I. Joseph Pacional trac assigned to assist in the investigation. Pefore I reported to the scene of the alleged violation, I solicited the aid of some personnel from the Cassic Valley Sowerage Commission. I was part of a team with Frank P. Disconcio, Supervisor of Ind. Waste and Lou Cuchrillo, Supervisor of Inspectors that compiled the facts contained in your files.

I referred this incident to Mr. John Gesumaria, Chief Inspector of the Plumbing Division and also Ray Nesto, Engineer of the Sub Surface Division. Citations have been issued by the Air Pollution, Industrial, and Plumbing Purcaus. If there exists a need for substantiating the facts we will be glad to testify at a hearing or in a court of law.

Thank you

Joseph Racionnia Inducato

corpo Gradley, Ass Clyref

Inspector

SAL.

August 13, 1975

100-166

Mr. Wally Parker Adco Company 150 Rome Street Newark, New Jersey

Re: Pollution discharge on July 29, and July 30, 1975

Dear Mr. Parker:

Priclosed please find a copy of my letter forwarded to you on August 1, 1975.

Please be advised that my department will require the following information on or before September 15, 1975.

- 1. Description of polluting effluent.
- 2. Procedure used for cleaning and removing pollution discharge.
- 3. Cause of pollution discharge.
- 4. Corrective measures being taken by your facility to prevent future pollution discharges.
- 5. Effective date for completion of corrective measures.

Very truly yours,

Mr. Billy Marks Senior Environmental Analyst

BH: 1rm

Mr. Gary B. Liss



Grinding Vahicles - Resins - Varnishes - Chemicals

148 - 159 Rome Street Newark, New Jersey 07:01

•

Phone: [201] 589-0880

September 16, 1975

Mr. W. Marks
Senior Environmental Analyst
Newark Dept. of Engineering
920 Broad St.
Newark, N.J. 07102

800-179

Dear Mr. Marks:

The polluting effluent that was referred to in your August 13, 1975 letter was an unfortunate error on the part of an inexperienced worker.

3

The polluting effluent, a rework latex emulsion polymer, was to have been put into drums which is the normal operating procedure. Unfortunately, there was an inadequate supply of drums so the worker decided to dump the balance on the floor. The error in judgement was the direct result of an inexperienced person and miscommunication.

The Gaess Environmental Service was contacted on the morning of July 30, 1975 and they arrived several hours later with a tanktruck which vacuumed all of the pollutant and was taken away by them.

It was a costly incident not only in removing the pollutant but also a needless loss of material.

Our supervisors, had they been on the scene at the time of occurrence, would not have permitted this material to be dumped on the floor. In the unlikely event that through some miscalculation in the future, should a drum shortage again occur when a rework product is being filled into drums, the filling would stop until the necessary drums were obtained.

please turn page

Mr. W. Marks

Also they would not allow such a discharge to enter the Newark sewer system. The only loss would be a few lost hours of production which is miniscule in the light of the overall picture.

The effective date for using corrective measures to prevent any such future occurrence or product loss took place on August 4, 1975.

Very truly yours,

ADCO CHEMICAL COMPANY

W. GEORGE PARKER

WGP/gb

AD.CO PASSAIC VALLEY SEWERAGE COM (201) 344-1800 Vistel with mer Parker in Plant Ref. No. WA: refuence to foreign makent stries Se The Camel publication of the second (For Industries Se 5/2/16. Plant Name: Adco Cher ADCO. den not mice Address: 148 Rome S The product the wareles Phone No.: (201) 589-0: Material They had no land to the littles Person and Title to whom any or any other later That were charged. Probleche Records were Number of Employees: Number of Working Days Per effect for seven. to alter Number of Shifts Per Day: ... The believes it is a Butachine Area of Property: Type of Industry and 4 digit or a hrome unhenter of here (. Finished Product(s):L Average Production: Raw Materials Used: Process latex emulsions in stainless steel Brief Description of Operations: kettles equipped with water cooled condensers.

* Return to:
PASSAIC VALLEY SEWERAGE COMMISSIONERS
600 Wilson Avenue
Newark, N. J. 07105
(201) 344-1800

Date: .Dec. 3. 1975

Plant Ref. No.

WASTE EFFLUENT SURVEY

(For Industries Served by the Passaic Valley Sewerage Commissioners)

	nemical	l Company
Address: 148 Rome	Street	Mewark, N.J. Zip 07105
Person and Title to whom a		ner inquiries should be directed: A.F.Petrillo,
Phone No.: (201) 589-		
Number of Employees:		8
		k:5
Number of Shifts Per Day:	*************	2
Area of Property:		Acres, or 15,000 Sq. Ft.
		Standard Industrial Classification No.: 2869
		Polymers
	Latex	Polymers
Finished Product(s):	Latex 15000	Polymers
Finished Product(s): Average Production: Raw Materials Used:	Latex 15000 Vinyl ions:	Polymers lbs./shift

Water received in Gallons (Note: multiply cu. ft. x 7.48)
Approximate Purchased water in 1974 from:
1st Quarter 5,500,000 gals.
2nd Quarter 2,700,000 gals
3rd Quarter 9,500,000 gals
4th Quarter 5,174,000 gals
Total Purchased 1974: 22,874,000 gals
Well Water
1st Quarter NONE
2nd Quarter"
3rd Quarter"
4th Quarter"
Total well water received in 19:
River Water
1st Quarter NONE
2nd Quarter"
3rd Quarter"
4th Quarter"
Total river water taken in 19:
TOTAL OF ALL WATER RECEIVED IN 1974: 22,874,000 gals
Water Use in 1974:
Water to Product (include evaporated and lost water): 700,000 gals
Water to Sanitary Sewer: 22,174,000 gals.
Water to Storm Sewer, River or Ditch: None
TOTAL WATER USE IN 19: 22,874,000 gals.
Name of River, Stream, or Tributary, and location of storm sewer or ditch outlet to river, stream,
or tributary: NONE

SEWER CONNECTION APPLICATION/PERMIT CHECK OFF LIST

1)	NAME: ADCO Chem
	ADDRESS: 91-127 Rutherford St.
•	Newar R NJ
21	Dane I
2)	PART I:
	PART II:
3)	// Alphabetical Card
	Schedule Card
	// SIC Card
	// Section IV Made Due In SA Report
4)	DESIGNATION NOUSTRIAL USER
	// MCI // PMCI TOXIC // PMCI H.M. // PMCI INCOMPATIBLE
	// TAX EXEMPT // USER
5)	SCP DATES
	Rough CompletedApproved
	Mailed Schedule Card Completed
	Computer
6)	FOLLOW UP NOTES
	Original application made apolate form
	י י
	City of NWK indicated Adro was making direct Connection to PVSC Interceptor Charkey Drawings in Engineering Dept. City of NWK Sewer Rd Moller
	Connection To PUSC Interceptor Charkey Drawings
	In Emgineering Dept City of NWK Sewer Kd Moller
	confined findings. Spoke to Mi licker at helic april
	- 14,11 5 87 d letter Explaining He Duffense
	2/2 Million / Vr Qoud little 7-17-19
	, , , , , , , , , , , , , , , , , , ,



49 RUTHERFORD STREET P.O. BOX 128

NEWARK, N.J. 07101 201-589-0880

W. GEORGE PARKER President

120.971

July 25, 1979

Mr. Dela Pia Industrial Department Passaic Valley Sewerage Commission 600 Wilson Avenue Newark, New Jersey 07105

Dear Mr. Pia:

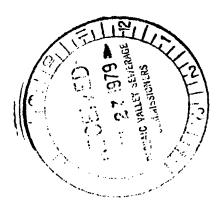
Here, enclosed is the revised breakdown of water purchased, consumed and to waste for the 9 month period of July 24, 1978 to April 24, 1979.

Total Cubic Feet Water = 920,400 or 6,903,000 Gallons Used During the 215 Working Days.

Gallons Water Used on Daily Average = 32,106
Less Water Used in Product and Evaporation Losses = 18,772
Total Daily Gallons to Waste = 13,384

You will note that the useage of water at the Rome Street location (now vacated) was considerably higher. At our present location, all of the cooling water is recycled through cooling towers. At Rome Street, there were no towers and the cooling water was used only once and went to waste.

WGP:mnr



Yours truly,

W. George Parker

Princeton Service Center U.S. Route 1 609-452-9050

THE REPORT OF THE PROPERTY OF

TO:





P.O. Box 3108, Princeton, N.J. 08540

DATE: December 27, 1978

JOB NO.

5970

AUTHORIZATION:

PO # 1857

SAMPLE:

water

Adco Chemical Delancy and Rutherford Newark, NJ 07101

ATT: A.F. Petrillo

REPORT OF ANALYSIS

EXHIBIT "C

mg/l	
Total Solids 7686	
Volatile Solids 6400	
Mineral Solids 1286	
Suspended Solids 503	
Volatile Suspended Solids 503	
Mineral Suspended Solids ND	
Dissolved Solids 7183	
Total Oil and Grease	
Soxhlet Extract-Freon 85	
COD 19,000	
BOD ₅ 9700	
TOC 3200	
Chloride 4	
рн 6.	2

DAILY DISCHARGE 10,000 GAL DAY

Diane Miskowski, Manager

Water, Waste Water and Microbiol

3200

TO:





P.O. Box 3108, Princeton, N.J. 08540

DATE: December 27, 1978

JOB NO.

5970

AUTHORIZATION:

PO # 1857

SAMPLE:

water

ATT: A.F. Petrillo

Delancy and Rutherford 9 Newark, NJ 07101

Adco Chemical

REPORT OF ANALYSIS

	Effluent
	mg/l
Total Solids	7686
Volatile Solids	6400
Mineral Solids	1286
Suspended Solids	503
Volatile Suspended Solids	503
Mineral Suspended Solids	ND
Dissolved Solids	7183
Total Oil and Grease	
Soxhlet Extract-Freon	85
COD	19,000
BODs	9700
TOC	3200
Chloride	4
рн	6.2

Water, Waste Water and Microbiolc

LABORATORY REPORT

STANDARD METHODS OF ANALYSIS

RESULTS EXPRESSED IN MILLIGRAMS PER LITER (mg/l)

DATE OF SAMPLE August 28, 1	979 TIME 11:00 AM SAMPLE No.	ID-H67
SAMPLE OF ADCO Chemical Co.	- taken from spill next to unauthor:	zed connection
To a second control of the control o	& Delancy St., No. in, Rutherford St. TAKEN BY R. Benz	Nt.1つ ケレ
20 0 0400 11011 110	City of	Newark Newark
TOTAL SOLIDS	TURBIDITY (J. T. U.)	
TOTAL VOLATILE	pH	2.6 €
TOTAL MINERAL	FLAMMABLE	5% €
SUSPENDED SOLIDS	EXPLOSIMETER (PERCENT)	
SUSPENDED VOLATILE	ORTHOPHOSPHATE (DISSOLVE	ED)
SUSPENDED MINERAL	TOTAL PHOSPHATES	
DISSOLVED SOLIDS	TEMPERATURE °F	
SETTLEABLE SOLIDS (ml/L)	COLIFORMS PER ml	
TOTAL NITROGEN	FECAL COLIFORMS PER 100 m	
AMMONIA NITROGEN	THRESHOLD ODOR NUMBER	
ORGANI C NITROGEN	GREASE AND OIL	
NITRATE NITROGEN	TOTAL ORGANIC CARBON	
NITRITE NITROGEN		
CHLORIDES AS CHLORINE		
ALKALINITY AS CaCO:		
CHEMICAL OXYGEN DEMAND		
BIOCHEMICAL OXYGEN DEMAND		
CHLORINE DEMAND		
CHLORINE RESIDUAL		

DESCRIPTION:

Emulsified liquid Solvent odor

REMARKS:

Sample not approved for discharge to the sanitary sewer.

Director of Societation Control

SAM

THE THE PROPERTY OF THE PROPER

SAMPLE NO. ID-H77

August 30, 1979

11:06 AM

Adco Chemical, Newark sample of water discharge to sanitary sewer at Rome Street.

Opaque grayish-white liquid Industrial odor

5% EXPLOSIVE

pH 3.2

Taken by: T. Mack

Mary Jo Freel, Chemist II

MJF:jc

SAMPLE NO. ID-H77

Adco Chemical, New

August 30, 1979

11:06 AM

Adco Chemical, Newark sample of water discharge to sanitary sewer at Rome Street.

Opaque grayish-white liquid Industrial odor

5% EXPLOSIVE

pH 3.2

Taken by: T. Mack

Mary Jo Freel, Chemist II

MJF:jc

4. D'hario

THE RESERVE OF THE PROPERTY OF

SAMPLE NO. ID-79

August 30, 1979

3:04 PM

Adco, Newark -- sample of rinse water directly from reactor

Opaque white liquid Strong industrial odor

NON EXPLOSIVE

pH 8.3

Taken by: T. Mack

Mary Jop Freel, Chemist II

MJF:jc

PROSTRIAL SECTION INVESTIGATIVE REL	FORT	
DATE: August 30, 1979	WEATHER: 849160046	
DR.F. August 30, 1979	WEST J. III. A.	
COUPANY MATE: ADCO Chemical Co		
APDRESS: 91 - 127 Rutherfo	ord Street, Newark	
NAME & TITLE OF PERSON CONTACTED:	G. Parker, V. P.	
The design of the control of the con		•
	<u>тецерноме:</u> 589-0880	
•		
PURPOSE OF VISIT: Discuss low ph	of sample taken 8/28 and review drawings	· ,
for sewer connection.		
		•
		•
		· · ~
ISCA PPCEIVED:	ISCP ISSUED:	
	ISCP MUTBER:	
SMPLE TAKEH: X		
<u>1</u>	HARRATIVE	
Met with Mr. Parker of ADCO as	nd D. Marlinski from the City of Mewark in	1
reference to above subject.	Mr. Parker informed us that he did not kno	DW.
what caused his pH to be 2.6.	He stated that his product has a pH of	
6:9. Additional samples were	taken from the wash water holding tank (L	5-40
	Continued sampling is anticipated.	
	DCO in reference to their sewer connection	1
4		
	correct. The City of Newark was complaini	
	uction without proper permits, did not sub	nult
	made connections that were not shown on	
their drawings. Mr. Parker w	ill submit new drawings as soon as practic	al

and will show all changes including present corrections, (see file for

and document any provisions that were made for future connections.

Inspection of entire production process revealed that ADCO accumulates their industrial wastewater and then trucks water to their plant location on Rome Street for discharge to sanitary sewer (2 Trucks/day). This operation is necessary because ADCO does not have a connection to sanitary sewer at present. When they have received approval for connection this operation will cease.

T Mack

F	'OR	M	A	PPR	ov	El)
o	MB	N	0.	158	_R	01	00

F	OF	I A	١G	E١	C	/ L	JSI	E
			37.					

STANDARD FORM A-MUNICIPAL

SECTION IV. INDUSTRIAL WASTE CONTRIBUTION TO MUNICIPAL SYSTEM

Submit a description of each major industrial facility discharging to the municipal system, using a separate Section IV for each facility description. Indicate the 4 digit Standard Industrial Classification (SIC) Code for the industry, the major product or raw material, the flow (in thousand gallons per day), and the characteristics of the wastewater discharged from the industrial facility into the municipal system. Consult Table III for standard measures of products or raw materials. (see instructions)

1.	Major Contributing Facility (see instructions)						
	Name	401á	Adco Chemical Company				_
							
	Number& Street	401b	91 - 127 Rutherford Stree	et			
	City	401c	Newark				
	County	401d	Essex				
	State	401e	New Jersey				
	Zip Code	401f	07105	1		- 000	
2.	Primary Standard Industrial	402	2899	Lup	end	Tare	
	Classification Code (see instructions)		/		\mathcal{A}	9/	
з.	Principal Product or Raw			•	Quantity	Units (S Table II	
	Material (see instructions) Product	403a	Alkyds, Varnishes,	_ A03e		4034	
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1000	Latex Polymers,				•
	Raw Material	403b	Vegatable Oils, Thinner	4034		4031	
			Phthalic Anhydride				-
4.	Flow Indicate the volume of water						
	discharged into the municipal sys- tem in thousand gallons per day	404a	thousand gallons per day		~		
	and whether this discharge is intermittent or continuous.	404b	☐ Intermittent (int) ☑ Continuous (con)	,			
5.	Pretreatment Provided Indicate if pretreatment is provided prior to	405	□Yes ⊠No	(/	1/1		

6. Characteristics of Wastewater (see instructions)

entering the municipal system

,一个是是一个,我们就是一个,我们就是一个,我们就是一个,我们就是一个,我们就是一个,我们就是一个,我们就是一个,我们的一个,我们也会一个,我们也会一个,我们就 我们的一个,我们的一个,我们的一个,我们的一个,我们就是一个,我们就是一个的,我们的一个,我们的一个的,我们的一个,我们的一个,我们的一个,我们的一个,我们的一

	Parameter Name	TS	TURB	TSS	COD	TOC	OIL	CL ₂	BOD
406#	Parameter Number	00500	00700	00530	00340	00680	00550	00940	00310
406b	Value	9492	3125	2930	3000	230	2667	49.63	85
1 1		1 3 4 3 5	1355	1					

.:≰ : ; : , ; Mining.

SAMPLE NO. ID-H76

August 30, 1979

10:57 AM

Adco Chemical, Newark -- sample of Latex wash water from tank L-40.

Opaque white liquid Industrial odor

NON-EXPLOSIVE

pH 8.4

Taken by: T. Mack

Mary Jo Freel, Chemist II

MJF:jc

SAMPLE NO. ID-H76

August 30, 1979

10:57 AM

Adco Chemical, Newark -- sample of Latex wash water from tank L-40.

Opaque white liquid Industrial odor

NON-EXPLOSIVE

pH 8.4

Taken by: T. Mack

Mary Jo Freel, Chemist II

MJF:jc

NO. DESCRIPTION INIT. DATE SCALE 18 4000

PRIEVISION NEWARK NJ.

STRAUBING & RUBIN CONSULTING ENGINEERS

SOUTH ORANGE NEW JERSEY

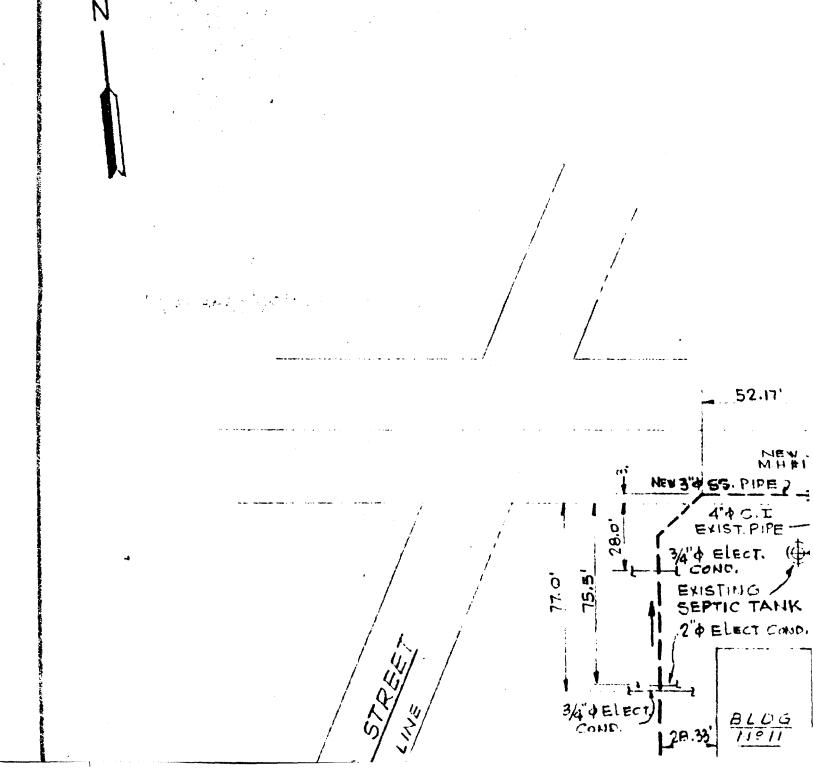
PLAN

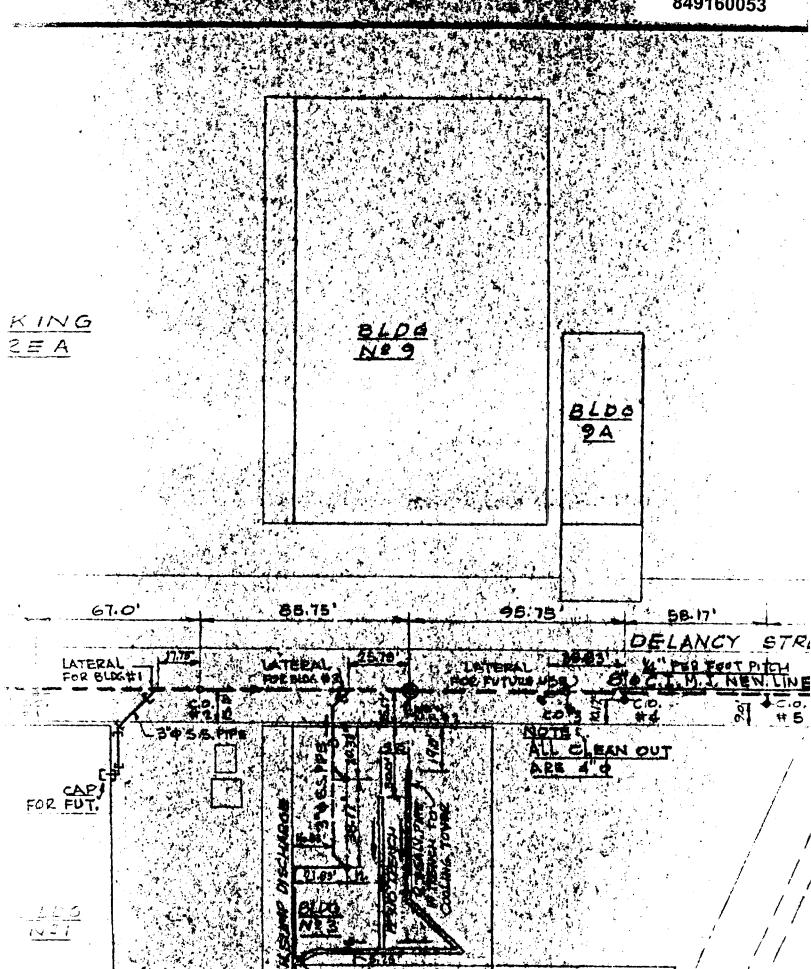
OMPANY.

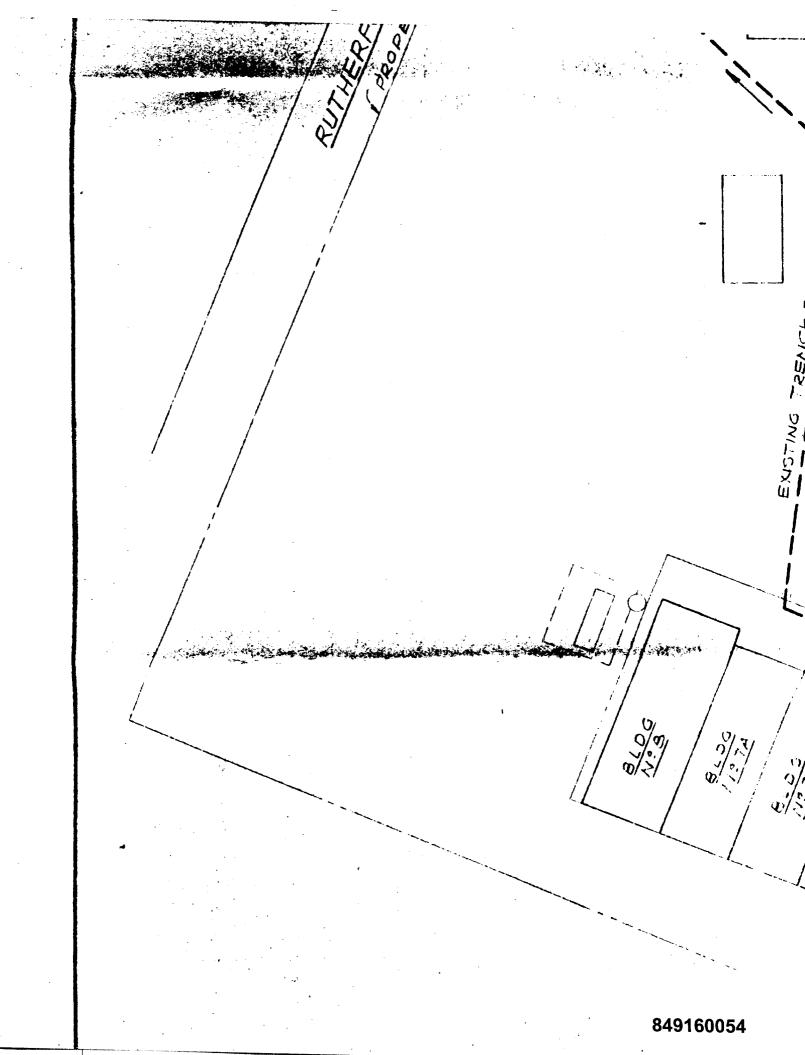
P-10-19

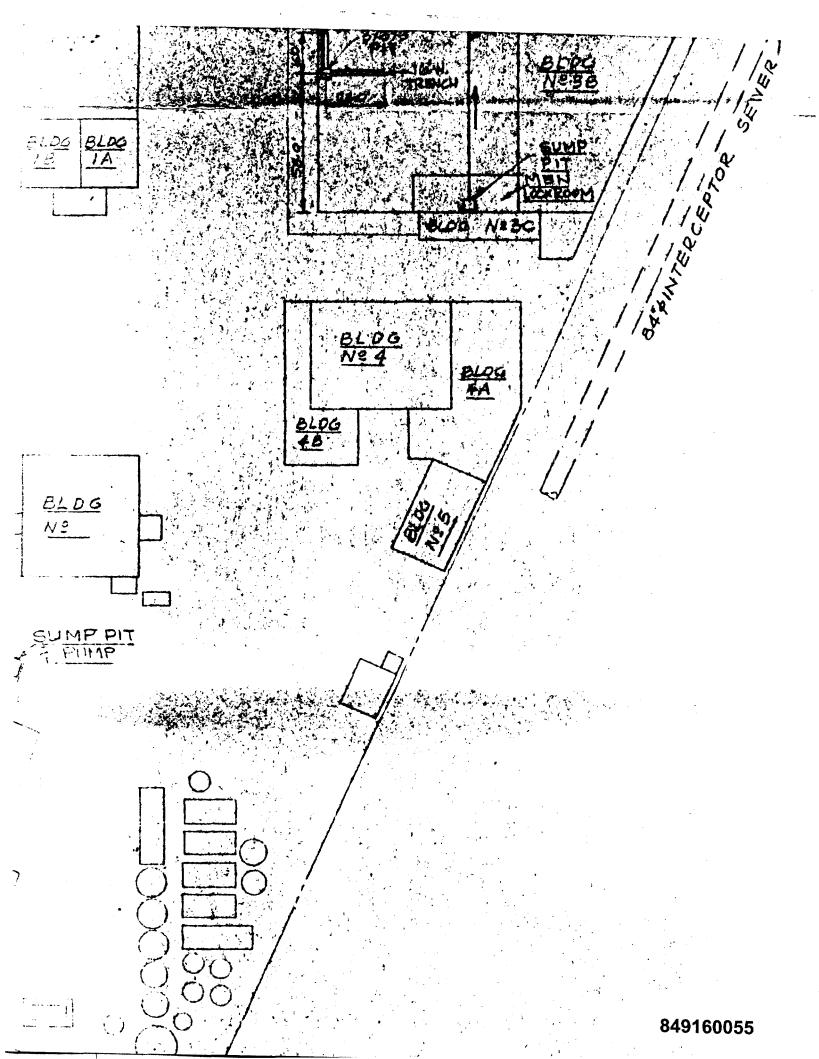
DRAWN ADL 3-79

DRAWING NUMBER RECKED APPROVED TO THE STATE OF THE STATE









DAWE: March 10, 1	36U	WEWAHEK: Crear	
COMPANY NAME: A	dco Chemical		
APDRESS: 49 Rut	herford Street , Newark		
NAME & ALTHUM ON B	ERSON CONTACTED: B Har	rvie, Plant Manager	·
•		•	
		TELEPHONE:	
·			
PURPOSE OF VISIT:	Investigate Report that	Tank of Acid had burst and was	leaking
on ground		•	
on ground.		tipe and Private Control Control of the Control of Cont	

ISCA RECEIVED:		ISCP ISSUED:	4.,
		ISCP NUMBER:	
SMIPLE TAKEH:	No		
	MARRATI	VF	
At approvimately	Manage Agent	ceived a call from F. Cupo advis	ing me that
		ad called in reference to Acid le	
a tank onto the	ground and possibly getti	ing into the sanitary sewer. We	visited
the company at a	pproximately 3:15 p.m. T	There was a problem with a storag	ge tank
that had a press	ure build up which caused	the saftey valve to blow. Com	pany officials
had called fire	Department to assist in v	wetting down the tank. They were	e also
planning to repl	ace outside insulation.	No material was leaking onto the	ground
(Glacial Methaer	ylic Acid, 1,200 gal tank	() we spoke with B. Harvie, Plant	t manager
who confirmed th	at no material had leaked	d onto the ground. We also spoke	e to Bill
Jahn of DEP who	was on site. He also adv	vised us that no material was on	the ground
at this point an	d probably would not be a	any. We advised Bill Jahn to no	tify Mr. Liu

Of his decision that no material was on the ground. Notified T. Malba of problem

		
T. Mack		
C. provi	V. B	oselli.
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en de la companya de La companya de la co	•	
<u></u>		
	es essenti La la la la estada e	
The state of the s		a. v
And the state of t		TO FIRST CONTRACT
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e de la companya del companya de la companya de la companya del companya de la companya del la companya de la		• •
		11 (400)
•		e e e e e e e e e e e e e e e e e e e

/ / INDUSTRIAL WO	DRK ORDER
DATE 1412/80	WORK ORDER NO.
COMPANY NAME ARCO COCATA	
LOCATION RYTH TOY of The Local	ySt. NEWAL PERMIT NO.
CONTACT PAINT MG1. 45 CT	
VIOLATION Y N U	DISCHARGE VIOLATION CONTROL NO.
	COMPLIANCE DUE DATE
TASK CODE	
1. Install sampler(UC)	6. Discharge violation review
2. INSTALL SAMPLER (UC & PRT)	7. COMPLIANCE REVIEW
3. PICK-UP SPLIT SAMPLE (UC)	8. COMPLAINT
4. FICK-UP SPLIT SAMPLE (UC & PRT)	9. INTEREFERENCE/UPSET INVESTIGATION
5. READ METER	10. OTHER
SPECIAL INSTRUCTIONS (how they o	itlets. Where does their
Sowage go. Acethey Permy	+ condidates?
	•
ASSIGNED TO J. J. S. S. O. BY	Milnagla
DATE	
TASK (S) COMPLETED (BY CODE)	
LAB WORK ORDERSAMP	LE RECEIVED BY
LAB TEST REQUIRED	
Incapertion of Plant made or	213-33-80, State wieth my Star Helland,
DESCRIPTION take Manard Bob Halled the	ut man he should us a helding tack
ranhole located on the west side	of the huilding. We took a P. H. of
us six ding tank and it specied hel	17.11. to Le Noll enformage My Harre
lines. We will follow up on this wolar	tion next weeks
	REPORT TO FOLLOW Y N
DATE 12-23-80 SIGNAT	URE phurass/hyllaglia
REVIEWED BY My Lineage VERIFI	ED BX

MEMORANDUM

TO: Ed J. Moller

FROM: Frank P. D'Ascensio

DATE: December 29, 1980

SUBJECT: Adco Chemical Company, Newark, NJ

At a recent conference a question arose concerning whether Adco Chemical was infact, connected to the PVSC System via the Southside inteceptor. On December 23, 1980, an on-sight inspection was made and it was confirmed that this company is connected as indicated above. Please correct your records

accordingly.



Chemical Company

49 RUTHERFORD STREET P.O. BOX 128

NEWARK, N.J. 07101 201-589-0880

116-2409

December 29, 1980

Mr. Merle Graglia Passaic Valley Sewerage 600 Wilson Ave. Newark, N.J. 07105

Dear Mr. Graglia:

Per our conversation of December 23, 1980, we have taken steps to monitor more closely the wash water being discharged to the sewer system. Our normal waste stream should never exceed the pH limits which were set by the Passaic Valley Sewerage Commissioners. We are still investigating possible reasons for the pH of the discharge to have varied on the above date.

All future discharge will be monitored on a batch type basis with a responsible supervisor giving the final authorization before any water is allowed to flow from our system into yours. Written records will also be kept on a batch type basis.

If you have any further questions please do not hesitate to call.

Yours very truly,

ADCO CHEMICAL COMPANY

ROBERT HARVIE
Plant Manager

RH/gb



File

Date of Visit February 17, 1983

Adco Chemical Co. - Newark

Rep. Adco - Mr. Steve Holland

Rep. PVSC - Mario Graglia, John Bray

Purpose of Visit - Larger discrepancy between water purchased and water effluent to sewer.

We explained to Mr. Holland the purpose of our visit was to try and find out what caused the effluent meter reading of 750,000 gals. as compared to 6,000,000 gals. purchased. Mr. Holland thought it might be because of a 2" line that had been leaking for months but was not sure whether it was this year or last. We discussed the possible ways such a large difference could occur. 1. Malfunction of the effluent meter. (This could be possible as this type meter functions most accurately on a full pipe.) 2. Water used and retained in product; they make water based latex paint. 3. Evaporation coming from their four cooling towers.

Mr. Holland suggested that their Engineer, Mr. Al Straubing, go to work on gathering data to verify the difference in figures. Mr. Holland said these figures should be ready in about two weeks. We plan to visit Adco at that time.

ADDENDUM

Location of effluent meter is in a very undesirable location; small door under a stair well, in a pit, below floor level.

MG/JB/li

M.J.G. 3/3/8/ note second connections

MEMORANDUM

TO:

Frank D'Ascensio

Supt. Ind. Waste

FROM:

E.J. Moller

Mq'r Line Operations

DATE:

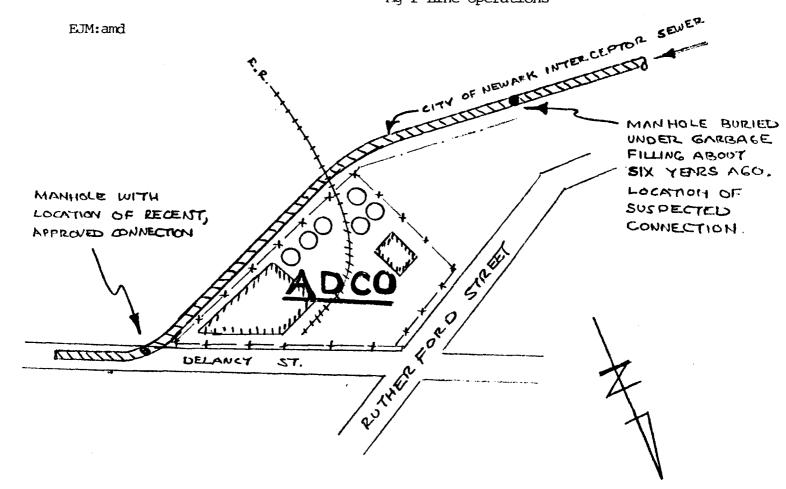
February 24, 1981

Sewer Connections From ADCO Chemical Company SUBJECT:

I want to thank you for updating me on the recent sewer connection made to the City of Newarks' south side interceptor, by the above company. However, as shown on my sketch, it is the suspected existance of an older, subversive connection from the rear of the plant which I was refering to during our conversation concerning the constant passage of ADCO Company Tank Trucks.

> EJ. molh E.J. Moller

Mg'r Line Operations



Date of Visit

November 30, 1983

Company Name

Adco Chemical - Newark

Company Rep.

Steve Holland

PVSC Rep.

A. Dondero

SUMMARY

I met with Steve Holland, VP and discussed with him the reason for his high pH of 11.7 on 11/3/83 for which he could not give me a satisfactory explanation other than to visually explain to me that his effluent is emptied into a trough and neutralized before discharging into the local sanitary sewer.

I checked his pH and found it to be within PVSC limits.

Austin Dondero

AD/nk

DATE OF VISIT

7/28/88

COMPANY NAME

Adco Chem of Newark

COMPANY REP

Steve Holland

PVSC REP

Tony Russo

PURPOSE

LEL Compliance

SUMMARY

While at Adco Chem for an LEL compliance, I reviewed the LEL tape dated 6/1 to 6/30/88. Adco had several excursions of over 40 during this time period. One excursion on 6/10/88 was over a ½ hour long, but it happened while the company was not operating. I spoke with Steve Holland of Adco, and he informed me that a standard procedure has been established at Adco in case of an LEL excursion, but his workers were not following it. He stated all excursions are to be noted and documented. He insured me that he will be more careful in the future with noting excursions. I recommend a violation letter be sent for failure to notify PVSC of an LEL excursion of over 40%.

T Pusso

TR/ki

MEMORANDUM

Date:

7/8/88

To:

File

From:

M. Roman

RE:

ADCO CHEMICAL VISIT

On 7/6/88, a visit was made to Adco Chemical in Newark for the purpose of an LEL Compliance Review. The usual contact, Steve Holland, was not present. A maintenance man escorted me to the LEL instrument. After inspection of the instrument, I requested the previous period's LEL tape. This gentleman said that Mr. Holland is in possession of the tape.

When I returned to the receptionist's desk, she said that Mr. Holland will be back in a few minutes. After waiting approximately 20 minutes, Mr. Holland called. He said that he won't be back to the facility any time shortly. He also stated that he has the LEL tape, but he doesn't know where it is. I then told Mr. Holland that an alternate contact must be established and that the LEL tapes must be made available to PVSC inspectors. I then suggested that he leave the previous tape by the instrument itself.

Since this is not the first occurrence of this situation, Adco Chemical should be sent a letter reminding them of their responsibilities in allowing PVSC inspectors access to LEL tapes for compliance reviews.

MR/ki

DATE OF VISIT

9/27/88

COMPANY NAME

Adco

COMPANY REP

Steve Holland

PVSC REP

B. Wrede

PURPOSE

LEL Compliance Review

SUMMARY

A review of Adco's LEL tape for the period 8/1/88 - 8/31/88 showed an excursion of approximately 43% for about 15 min on 8/19/88. Asked Mr. Holland about the excursion. Mr. Holland said that he did not know the cause of the the excursion, but stated that the workers were informed to cease operation and locate the source if an excursion occurs. This statement might be out born by the short duration and intensity of the excursion.

Much Avrile

BW/me

W. Carr



170-45

Chemical Company

49 RUTHERFORD STREET P.O. BOX 128

NEWARK, N.J. 07101 201-589-0880

October 23, 1989

C M R R R:P 876 806 505

Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, NJ 07105 Attn: Mr. Thomas Anderson

Gentlemen:

At present, Adco collects their wastes intended for disposal to the sanitary sewer at three (3) separate points within their facility at 49 Rutherford Street.

These are periodically slug sewered. Samples are taken at these three (3) collection points on an estimated aliquot basis, composited, analyzed and reported to the PVSC as required.

It was the PVSC's contention that the sampling method in use at Adco did not provide a representative sample and they requested a modification in the method employed by Adco to obtain an aliquot.

Accordingly Adco in February 17, 1989 letter proposed (Via their engineers) the installation of a baffled tank which would not only permit obtaining a composite sample but also act as a vessel which would pretreat the effluents prior to their discharge to the PVSC as to meet the November 1990 OCPSF pretrement standards. Adco's effluent exceeds the BOD, TSS and Toluene limits established for effluents going to a POTW.

Recent treatment technology to reduce BOD and oxidize toluene has become available. Packaged automated equipment to achieve this result is now being offered in the marketplace. Utilization of this equipment already provides a composite sample prior to discharge making the proposed (November 15, 1989) baffled tank superfluous.

Passaic Valley Sewerage Commissioners

Adco is now set to test a pilot model of the treatment equipment during the month of November, to evaluate its efficiency. If the pilot runs show promise, Adco proposes to purchase and install the treatment units which will not only permit them to meet the 1990 effluent standards but also provide PVSC with the aliquot composite sample they requested.

We therefore are requesting the extention of time for the November 15 installation date of the proposed baffle tank in order to evaluate the test results. Because of the cost of the baffled tank and its installation, if the treatment units work as anticipated, we are requesting that we forego installation of this tank completely in light of the fact that its intended purpose is duplicated by the treatment units.

Assuming a successful pilot run, the new equipment will be installed on or before November 5, 1990. If on the other hand, the treatment equipment does not operate as anticipated, Adco will install the baffled tank as originally proposed within a reasonable time after the tests and seek other means of meeting the November 5, 1990 effluent standards.

Thank you.

Very truly yours,

ADCO CHEMICAL COMPANY

Steven C. Holland

SCH/bcw

5949A

Industrial User Charge/Pretreatment Inspection Report

I. TY	PE OF INSPECTION DATE OF INSPECTION
a	7- 17 95 User Charge
b	Categorical Determination
c	BMR Verification
d	Other Annual
11.	GENERAL INFORMATION Facility Name: Adam Chemical
b	Parent Company Or Affiliation
c	Facility Mailing Address: P.O. Rux 12.8
	· Mewack My
Ċ	FACILITY STREET ADDRESS 49 Rutherford St.
¢	YEAR PRESENT OPERATIONS BEGAN AT THIS FACILITY: 1977
	Sumber of employees 40 Hour of Operations 5 day week
:	Authorized Representative Steven Holland
t	Facility Contact:
	Title or Position Plant Manage
a,	Telephone No. (201) 589 - 088
ħ	Facility Personnel Present At Inspection

II. PRODUCT OF SERVICE INFORMATION:

Ν.

	h. Conunuous. Seasonal):	
My of	Latex Resu	72
for the	coature de	dinta
		<i>J</i> =
	sed Nater Mune	11-
mncipal Raw Materials U	seo water many	an april
. Molveny	xylene, To	lune
	U	
Principal Product Produce	o Resin los	Souten
industri	1	
Manual Contraction of the Contra		
ist All Additional Activit	ues And Specific Processes Occurri	ng At This Facilit
	·	
E G.Electroplating/Metal	Finishing. Identify Specific Proces	
	Finishing. Identify Specific Proces	
E G.Electroplating/Metal	Finishing. Identify Specific Proces	
E G.Electroplating/Metal	Finishing. Identify Specific Proces	
E G.Electroplating/Metal Research, Etc.):	Finishing. Identify Specific Proces	
E.G.Electroplating/Metal Research, Etc.): R.SOURCES and USE	Finishing. Identify Specific Proces	
E.G.Electroplating/Metal Research, Etc.): R. SOURCES and USE Raw Water Sources	Finishing. Identify Specific Proces	ses, Laboratory.

_	Are Raw Water Sources Metered Or Are Other Means Available For Flow
!	Measurement? Specify 11 Meller
	C Describe Any Water Treatment Or Conditioning Processes Utilized
	Mone
4	d Average Daily Water Use (Specify Source Of Data) 10,000 6 PD
,	e Has The Company Provided A Water Flow Schematic? Yes No.
	If Yes Anach Sketch If No. Prepare Sketch And Attach
V ENT	VIRONMENTAL CONTROLS. PERMITS/REGISTRATIONS HELD
a F	Facility held permiss/registrations
τ	Does the company have a NJPDES Permit? Yes No specify type U/A
	and NJPDES Permit Number
	List parameters monitored in the comments section of this report.
ī	Does the company have any Air Pollution Permits? Yes No
٠. ٠	

	Is the company subject to RCRA? Yes No_NIDEPE ID Number NTO 000 3.15 4052
•	Check whether the company is a Generator StorageDisposal
•	Treatment Facility
,	Note the length of time the material is stored 290 days (Must not be stored longer than 90 days
	Is the company subject to ECRA? Yes No
	Does the company have an SPCC Plan? Yes No Attach a copy to this report only it i
	has changed or been updated since the last submission.
	Does the company have an Emergency Response Plan? Yes No Attach a copy to this
,	report only if it has changed or been updated since the last submission.
,	Does the company have a groundwater discharge? Yes No List parameters monitore
	and method of treatment in the comments section of this report.
	List any other permits the company might have or specify hone
لد	R POLLUTION RELATED
à	Are there any process tanks greater than 100 gallons? Yes No
t	Are there any heated surface cleaners (e.g. vapor degreasers, etc.)? Yes No
ζ	Does the facility have any exhaust system in conjunction with their process operations (e.g. from
	plaung tanks, painting rooms, vapor degreasers, etc.)? Yes No
	If yes, is the system registered? Yes No Describe:
đ	Are there any air pollution control devices? Yes No Describe:

If yes, is the system registered? Yes No Describe
WASTEWATER INFORMATION to Nu fent
a Applicable Standards
Categorical Standards (List applicable subparts) 40 CFR 414
Siere Meneral fretientraces lules + legislation
Local IET Ph PLC Mercus
b For BMR. Compliance Report Verification or Annual Site Inspection, has company provided a
process schematic and wastewater flow diagram? Yes No
If not, prepare sketch and attach to this report. Include the location of the pretreatment and user
charge sample points and identify each by permit number
c. Attach a narrative description of where the pretreatment and user charge sample points are located
to this report
d Representative Sampling Point (s)
(1) Are the sampling point (s) utilized representative of the operations they are intended to
monitor? Yes No If not, list the deficiencies in the comments section of the
report
e Storm Water Discharges
Does the company discharge any storm water into the sanitary sewer? YesNo
If yes, are there any other alternatives for disposing of this water such as to a storm sewer, a
brook or stream? If yes, explain why the storm water is being discharged into the sanitary sewer.

)	Are regulated process streams metered or are other means available for flow measurement?
	Specify
	•
	List Quantity of process wastewater discharged in gallons per day 4000 (1900)
	•
	If necessary, is sufficient flow data obtained to allow use of the combined wastestream formula?
	Comments
	Comments
	Is a certified lab used for all official analyses? Yes No
	Lab name location and NIDEPE Numbers Taurin les
	2007/
)	Does the user have a plan to control Slug Discharges? YesNo If yes, attach
.4	copy of plan. If No, evaluate whether the user needs a plan to control "Slue Discharges". Attac
	a narrative onto the site inspection report

VIII PRETREATMENT FACILITIES

	Yes No
	Describe/Comments N/
ı	Is any further treatment proposed to be utilized on the wastewater prior to discharge to t
	public sewer? Yes NoN/A
nen	15
	Is the facility operating under a compliance schedule to install treatment or otherwise att
	compliance with applicable standards?
	Yes No N/A If no, is facility in compliance?
	Yes No N/A If no, is facility in compliance?
	Yes No N/A If no, is facility in compliance?
	Yes No N/A If no, is facility in compliance? Yes No Comments
	Yes No N/A If no, is facility in compliance? Yes No Comments Does thus company generate residuals as a result of its Pretreatment operations?
	Yes No N/A If no, is facility in compliance? Yes No Comments
	Yes No Comments Does thus company generate residuals as a result of its Pretreatment operations? Yes No If yes, note what the residual are, the quantity generated per more how they are stored and how they are disposed of
	Yes No Comments Does thus company generate residuals as a result of its Pretreatment operations? Yes No If yes, note what the residual are, the quantity generated per more how they are stored and how they are disposed of
	Yes No N/A If no, is facility in compliance? Yes No Comments Does thus company generate residuals as a result of its Pretreatment operations? Yes No If yes, note what the residual are, the quantity generated per more

ls the boiler water treated prior to use? Yes No If yes, what son of treatmerformed? Explain this in the comments section of this report	£ 50	inci Operation
Is the boiler water treated prior to use? YesNo If yes, what son of treatm performed? Explain this in the comments section of this report. Is the condensate return from the boiler sewered? Yes No If yes, explain water treatment if any is performed on this discharge in the comments section of this report. (2) Does the company have a licensed Industrial Wastewater Treatment Operator? Yes No If yes, note Class If yes No If yes note what these materials are, the quantity generated per month, how they are stored and how they are disposed of for the following the following the following the permitted for the following the followi		(1) Does the company have a licensed boiler operator? Yes No
Is the boiler water treated prior to use? YesNo If yes, what son of treatment of this in the comments section of this report. Is the condensate return from the boiler sewered? YesNo If yes, explain with treatment if any is performed on this discharge in the comments section of this report. (2) Does the company have a licensed Industrial Wastewater Treatment Operator? Yes No If yes, note Class		Note the name(s) of the licensed boiler operator(s) along with the type of license the
performed? Explain this in the comments section of this report Is the condensate return from the boiler sewered? YesNoIf yes, explain we treatment if any is performed on this discharge in the comments section of this report (2) Does the company have a licensed Industrial Wastewater Treatment Operator? YesNoIf yes, note Class		possess (black seal, blue seal, etc.)
Is the condensate return from the boiler sewered? YesNoIf yes, explain we treatment if any is performed on this discharge in the comments section of this report (2) Does the company have a licensed Industrial Wastewater Treatment Operator? YesNoIf yes, note ClassIII		Is the boiler water treated prior to use? YesNo If yes, what son of treatme
treatment if any is performed on this discharge in the comments section of this report (2) Does the company have a licensed Industrial Wastewater Treatment Operator? YesNo If yes, note Class		performed? Explain this in the comments section of this report
(2) Does the company have a licensed industrial Wastewater Treatment Operator? YesNo If yes, note Class		Is the condensate return from the boiler sewered? YesNoIf yes, explain wi
YesNo If yes, note Class		treatment if any is performed on this discharge in the comments section of this report
Di WASTE a Does this company generate any waste process materials (spent solvents, spent acids, expensed by the spense of the process operations? Yes No If yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of Journal of the process operations. Manufest out yearntatus: note what the residual are, the quantity generated per month of the process operations? Yes No If yes, note what the residual are, the quantity generated per month.		(2) Does the company have a licensed Industrial Wastewater Treatment Operator?
Di WASTE a Does this company generate any waste process materials (spent solvents, spent acids, expenses the process materials are, the quantity generated per month, how they are stored and how they are disposed of		Yes No If yes, note Class
YesNo If yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of	D: W	,
YesNo If yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of		Does this company generate any waste process materials (spent solvents, spent acids, etc.
month how they are stored and how they are disposed of Solvent Manifest out yuantitus nous And Manifest Nous Does this company generale residuals as a result of its Process operations? YesNo If yes, note what the residual are, the quantity generated per manifest of the solvents.	•	
Does thus company generate residuals as a result of its Process operations? YesNo If yes, note what the residual are, the quantity generated per manufacture of the second		Yes No If yes, note what these materials are, the quantity generated per
Does this company generate residuals as a result of its Process operations? YesNoIf yes, note what the residual are, the quantity generated per manufacture of the second		month, how they are stored and how they are disposed of dowers
Does this company generate residuals as a result of its Process operations? YesNoIf yes, note what the residual are, the quantity generated per manufacture of the second		manifest out quantities noul
Does thus company generate residuals as a result of its Process operations? YesNo If yes, note what the residual are, the quantity generated per manufacture of the second		an Oudustini
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YesNo If yes, note what the residual are, the quantity generated per mo		- agus mus
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YesNo If yes, note what the residual are, the quantity generated per mo		Danatha anna anna de la della companya del
	ь	
how they are stored and how they are disposed of		YesNo If yes, note what the residual are, the quantity generated per more
	.4	how they are stored and how they are disposed of
·		

	have designated or centralized area (- Bo or metal do
waste ⁹	•	
YesNo	N/A (No hazardous waste	generated). If yes, what do
company do with th	per hazardous waste? dones	natod
_ build	ini	
. 11		
////	from Ma	n
TOYIC OPCANGE		
TOXIC ORGANICS M	<u>IANAGEMENT</u>	
		Potenti en
a Are categorical orga	nics used on site? YesNo	Refer to List of Categoric
a Are categorical orga		Refer to List of Categoric
a Are categorical organics attached to	nics used on site? Yes No No No How Much?	How Lived?
a Are categorical organics attached to	nics used on site? Yes No No No How Much?	How Lived?
a Are categorical organics attached to	nics used on site? Yes No No No How Much?	How Lived?
a Are categorical organics attached to	nics used on site? Yes No No No How Much?	
a Are categorical organics attached to	nics used on site? Yes No No No How Much?	How Lived?
a Are categorical organics attached to	nics used on site? Yes No No No How Much?	How Lived?
a Are categorical orga	nics used on site? Yes No No No How Much?	How Lived?

	Plan been submutted to PVSC for	or approval?
yes, review plan to see if it is	still applicable. Write comment	s below
re other non-categorical orga	unics used on-site in more than la	boratory guarnities
esNo If yes.		
YDE /	How Much?	How Used?
slenc	(a,000,000 tt-	in proces
mil spirit	(4,000,000 tt-	in proces
		,
COPARE		
Are the raw organics stor	ed in an area appropriately safeg	uarded against spills reaching t
sewer YesNo	_	
Comments	d / Dyked	Mica
	of psymen	MILL
(2) Ass the second control		and an anima and an income
	CS in an area appropriately safegu	maca against spills reaching t
Comments	N/A	
Conuncials	Isked Mes	
	1	

(1) Has the company developed adequate handling procedures to prevent organics or a possibly hazardous materials used during process operations from reaching the sew amounts exceeding federal standards or which could cause problems to the PVSC works? Yes No		dling Procedures
amounts exceeding federal standards or which could cause problems to the PVSC works? YesNoIf yes, explain deficienciesNoIf yes, explain deficienciesNoNoNoNo	(1)	Has the company developed adequate handling procedures to prevent organics or a
(2) Are company personnel actively implementing these procedures? Yes No. For either yes or no, explain how we know. (3) Does the company maintain training records? Yes No If yes, what is to frequency of training		possibly hazardous materials used during process operations from reaching the sew
(2) Are company personnel actively implementing these procedures? Yes No_For either yes or no, explain how we know		amounts exceeding federal standards or which could cause problems to the PVSC
(2) Are company personnel actively implementing these procedures? Yes No. For either yes or no, explain how we know. (3) Does the company maintain training records? Yes No. If yes, what is to frequency of training. (3) Maintain Mainta		
(3) Does the company maintain training records? Yes No If yes, what is to frequency of training		- flan
For either yes or no. explain how we know		
(3) Does the company maintain training records? Yes X NoIf yes, what is to frequency of training	(2)	Are company personnel actively implementing these procedures? Yes No
Comments How are the organics used on site disposed of waste lawle Comments		For either yes or no, explain how we know
Comments How are the organics used on site disposed of waste lawle Comments		
Comments How are the organics used on site disposed of waste lawle Comments		
Comments How are the organics used on site disposed of waste lawle Comments		
Comments How are the organics used on site disposed of waste lawle Comments	(3)	
Comments How are the organics used on site disposed of waste lawle Comments		Does the company maintain training records? Yes No If yes, what is t
How are the organics used on site disposed of waste laule Comments		Does the company maintain training records? Yes No_If yes, what is to frequency of training Manha Training Melline
How are the organics used on site disposed of waste laule Comments		frequency of training Mandal Training Meeting
Comments		Does the company maintain training records? Yes NoIf yes, what is to frequency of training Mandal manuary Multiples
Comments		
Comments		
Comments		
Comments		Comments
Whened hould need which and I Star Along		Comments
Whomas have need which and I start Along	Но	Comments on are the organics used on site disposed of waste lauk
Is becomed bouler used which and I often Along	Но	Comments ow are the organics used on site disposed of waste lauk
	Но	Comments ow are the organics used on site disposed of waste lauk

•	
NSTRUMENTATION	
fluent Flow Meter (Specify type	and reading. Gal. Cubic Feet) 1992 one type. include decimal place) 1993 One type.
filuent Flow Meter Recorder (No	ote type, include decimal place) All digit
re Flow Meters Non-resettable?	Yes No
ell Meter" Yes No_	
escribe where Meters are Located	o NA
	/
low often are the effluent or flow	meters calibrated Mhen is
alibration done 3/9	
re there any internal meters? Yes	
	d Comments
escribe where wielers are incare,	o Combinents
H Meter? YesNo_	
	Note Reading
	Note Reading
H Paper Reading at Effluent Outl	let(s).

SAMPLING PROCEDURES

Does Company have a composite sampler? Yes_____No_____No_____

Is Sampler Refrigerated Yes No How Accord	
If Sampler is operating, note temperature of sample	-
Can Sampler be sealed? YesNoN/A	_
Is Sample Point accessible? YesNoN/A	_
Does sample point (s) match the one (s) stated in the Sewer Connection Permit?	
YesNoN/A	
Is Sample Hose in the proper place? YesNoNA	
List the types of samples required at this company 90 CFR 414	•
List the types of samples required at this company 90 CFR 414	
List the types of samples required at this company 90 CFR 414	

There	Rasnit	been	any	
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The state of the s	£	moto		
- operani-		MV (E)		
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XII inspector(s)

: .

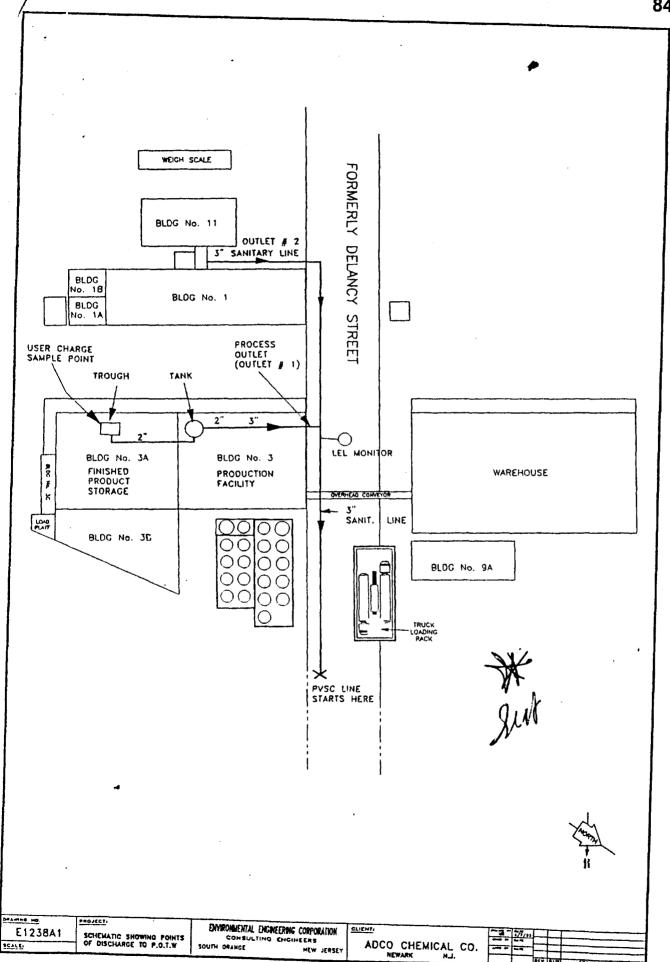
Name JOSEPH GOURLOY
Title INSPECTORI
Signature Joseph Holelan
Name
Title
Signature
Prepared By Jasoph Mully
Reviewed By
Date Reviewed Complete 7/24/55
Signature

Revised 9/92

. ACT6-17-1 ACT

MR-1 REPORT CHECK OFF LIST

CON	IPANY: Alberce Chancel SCP 1. 204010	8219600	·			
ADDRESS: 33 Mane & Amark						
CON	TTACT: William Hemma PHONE 1: 200-	344 ~	7			
1.	Category 40 CFR C/C4) (5) Subcategory //					
2.	Month of Ecloser					
3.	Outlet # (17 digit) is correct	YN	N/A			
4.	Is regulated flow stated in space provided	YN	N/A			
5.	Total flow provided in proper space	Y N	N/A			
6.	Is method used to calculate water stated	N (Y)	A/N			
7.	Is number of working days stated	YN	N/A			
8.	Are there any parameters which have exceeded a daily maximum limit					
• •	or could cause the company to be out of compliance with a monthly					
• •	or 4-day average.	Y				
9.	Is proper compliance/non-compliance statement provided	Y	N/A			
10	If applicable is compliance schedule submitted	Y(N)	N/A			
11.	Is combined waste stream formula required	Y	N/A			
12.	If combined waste stream formula was used, have calculations been	St. V. 2				
••	submitted correctly	(Y) N	N/A			
13.	Have correct number of samples been submitted	Y N	N/A			
14.	Have sample number been recorded in space provided	Y N	N/A			
15.	Have all regulated parameters been listed on MR-1	Y) N	N/A			
13.	Has sample type been stated on MR-1	YN	N/A			
17.	Have all samples been taken during this reporting period	YN	N/A			
1 &	Has NJDEP certified lab been used	Y	N/A			
19.	Have analytical results been submitted on copies of					
••	laboratory stationary	K (Y)	N/A			
20.	Have results been written in space designated on MR-1	YN	N/A			



	Reviewer Colland Control Contr	
Second review: coments on def	liciencies	
Date Review 1/20/92 Date due back	Reviewer Colland	
Date Review 1/20/92		
	Date sent to user	
	- Cigare Le	
First Review: comments on de	oficiencies any lete	
	p.	
Has information been submitte	ed on proper MR-1 form.	Y) N
Has MR-1 been signed by author	prized representative	YN
Base Standards were used		Y N
Has production rate been provi		
Has flow diagram been signed	-	YN
Is unregulated volume stated of	-	$(\hat{\mathbf{Y}})$ N
Has user charge sample point but is regulated volume stated on it	-	YN
	been indicated on flow diagram	YN
Has updated flow diagram beer	•	Y
	oes regulation allow exemption	Y N (
		YN
-		
Have maximum permit limitations is method used to preserve same	ions been included on MR-1	YN

Allance Chemical 10/92 #8 for Cymrile (T) M&L Gotlem's #19) results survey for (N(T) - they counted pamples which were paint the alletted hill distillation times Jample Date 10/5/92 < 0.02 myll no good; extracted 24 hrs part hold t 10/6/92 6.87 10/7/92 1.80 10/27/92 0.10 progood; distilled I day late " " days " 10/28/72 0.73 10/29/92 9.00 10/30/92 0.71 average of the 4 acceptable results is 1.3325 mg/l avy limit = 0.420 mg/l letter pent, Tatel 12/2/921 Max V10 also - 2.00 mg/ which also asked for Max limit = 1.20 mg/l

MASS limits for Chi

Average , 238=+/1

MAX , 68/ #/1 a response bot 19.

Resultar 10/92 Average, 2673

denewal Aprilitatio

PASSAIC VALLEY SEWERAGE COMMISSIONERS

SEWER CONNECTION APPLICATION

PART I - SECTIONS A-C

SECTION A: GENERAL INFORMATION

	Y c	r i	N		
App1	ica	nt	is	:	
Corp	ora	ti	o n	~	
Part	ner	sh:	ip		
Othe	r		-		

Company Name	Alliance Chemical Inc.
Location:	33 Avenue P (Property on 309 - 327 Course P)
	Newark, New Jersey Zip Code: 07105
Mailing Addr	ess: 33 Avenue P.
Newark,	New Jersey Zip Code: 07105
	address and telephone number of person to contact nformation provided in this application:
Name of Cont	act Official: W.C. Henning
Title: <u>P1</u>	lant Manager Phone No.: 201-344-2344
Address: <u>All</u>	liance Chemical Inc., 33 Avenue P. Newark, N.J. 07105
Number of Em	ployees - Full Time: 48 Part Time:
Number of Wo	rk Days Per Week: 5
	ifts Per Day: 3 ·
Is productio	n seasonal? No If so, explain:
New Users On	ly: Indicate date user desires to commence operations
Lot No's. 3	is owned, indicate Lot and Block Numbers: Block No. 50 $1 - 8 - 12$ 19 Assessed Value $\frac{\gamma}{\gamma}$, $\frac{\zeta}{\zeta}$ $\frac{\zeta}{\zeta}$ is rented, indicate name and address of Landlord:
	SECTION B: PRODUCT OR SERVICE INFORMATION
Brief descri	ption of manufacturing or other activity performed:
Manufactur	e of organic intermediates for use in the
textile, p	aper and pigment industries.
Principal ra	w materials used: Organic chemicals, acids and bases.
Principal pr	oducts or services:
As descri	bed in #11.
****	849160089

SECTION C: WATER DATA

14.	Water Recei	ved: Year <u>1979</u>	(Repo	ort Volume in	Gallons)
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PURCHASED	WELL	RIVER	TOTAL
•	lst Qtr.	5077500			
	2nd Qtr.	8334000			
	3rd Qtr.	6971250			
	4th Qtr.	6313500			
		19 70	GRAND TOTAL	26 6	96,250
				Tt. X 7.48 = 0	-
15.	Name water	supplier: <u>City</u>			
		_			
16.	Is well wate	er metered? No	neIs	river water m	etered?
17.	Water Distri	bution: Year 19	79 (Repor	t Volume in G	Gallons)
	Use (Li	st totals in gal	lons per yea	ir)	
	(a) sanita:	ry sewer (includ	le industrial	& domestic)	26,696,250
	(b) separa	te storm sewer,	river, or di	tch	None
	(c) contain	ned in product .	· · · · · ·	· · · · · · · · · · · · · · · · · · ·	Trivial
	(d) evapor	ation			II .
	(e) waste l	haulers			None
	Name, Addres	ss & Registratio	n Number of	Waste Haulers	Used
18.	Is volume in	n 17 (a) measure	d? No How	7?	
	Certificati	on:			
	to me and,	tion contained i to the best of m mplete and accur	y knowledge		
	attached gra	icant is a corpo anting me the au he corporation.			
	Name of Sign	ning Official:	W. C. Henni	ing	
	Title: P	lant Manager			
	-				,
	- Jan	29,1980		V.C. Hun	9
	(/	Date		Signat	ufe

(I-2)

PART II - SECTIONS D-F

These sections must be completed if the Applicant:

- (a) discharges more than 25.000 gallons per day of either domestic and/or industrial wastes to the sanitary or combined sewer, or,
- (b) discharges toxic wastes or wastes which can have a significant impact on the PVSC treatment works.

Questions regarding the applicability of this form to your facility may be answered by contacting the Industrial Department of PVSC at 344-1800.

SECTION D: OPERATIONAL CHAPACTERISTICS
scharge of industrial waste is continuous X or intermittent
scharge of industrial waste occurs between the following hours:
dustrial Waste is, or may be discharged:
only to the sanitary (or combined) sewer X
and a separate storm sewer, river or ditch
) NPDES Permit Number
scribe seasonal variations, if any, giving dates, volumes, rates, hours, et clude variations in product lines which affect waste characteristics. None
scribe any pretreatment process in use: Settling and neutralization

	Describe any treatment process applied to raw water taken into the plant:
	None
•	Describe any processes used to recycle water: Cooling tower circulating through scrubber.
	(ATTACH ADDITIONAL SHEETS IF NECESSARY)

SECTION E: SEWER CONNECTION INFORMATION

26.	OUTLET * NUMBER	SEWER SIZE (INCHES)	DAILY FLOW (GALLONS)	CONTAINS INDUSTRIAL WASTE (YES OR NO)
		15"	105,000	Yes

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Attach a plot plan of the property, showing:

- (a) all existing or proposed sewer and drain lines (including outlets to a storm sewer, river or ditch);
- (b) sample point(s);
- (c) details of the connection(s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.

*If only one outlet, leave blank.

Number multiple outlets starting with 1.

SECTION F: ANALYSIS OF INDUSTRIAL WASTE

27. Analysis listed below is based on a composite sample of industrial waste taken from the following outlets listed in Section E:

as lested in Sec £.

(See instructions for proportioning samples from more than one outlet)

28. Analytical Data: Concentration values are to be reported in mg/l (ppm) unless specified otherwise; analyze waste for those parameters marked with an asterisk (*), analyze waste for other parameters reasonably expected to be present. Code numbers are for internal use only.

REPORT TO THE NEAREST UNIT: X (EXAMPLE: 150 mg/1)				
CODE	PARAMETER	VALUE		
* 0100	Color (Apha Units)	12		
0200	Radioactivity (PL-1)			
* 0500	Total Solids	31240		
* 050 5	Total Volatile Solids	7182		
* 0510	Total Mineral Solids	24058		
* 0530	Total Suspended Solids	2355		
* 0540	Volatile Suspended Solids	9.30		
* 0550	Mineral Suspended Solids	1425		
* 0070	Turbidity (JTU)	30		
0550	Emulsified Oil or Grease	1006		
* 0940	Chlorides	15078		
* 0945	Sulfates	620		
* 0310	Biochemical Oxygen Demand (BOD)5 Day	4600		
* 0340	Chemical Oxygen Demand (COD)	10870		
* 0680	Total Organic Carbon (TOC)	2010		

REPORT TO THE NEAREST TENTH: 0.X (EXAMPLE 1.6 mg/1)				
CODE	PARAMETER	VALUE		
0745	Sulfide	100		
0740	Sulfite	200		
8260	8260 Surfactants (MBAS)			
* 9000	pH (standard units) (range)	6.67		
0625	Kjeldahl N as N	1021		
0610	Ammonia as N			
0620	Nitrate as N			
0615	Nitrite as N			
0507	Ortho Phosphates as P	.09		

REPORT TO THE NEAREST HUNDREDTH: 0.XX REPORT TO THE NEAREST HUMDREDTH: 0.XX (EXCEPT WHERE INDICATED) (EXCEPT WHERE INDICATED) (EXAMPLE: 0.36 mg/1) (EXAMPLE: 0.36 mg/1) CODE PARAMETER VALUE CODE PARAMETER VALUE (Report to .005 <0.1 1900 1097 | Antimony (Sb) Mercury 0.XXX) .116 1002 Arsenic (As) Nickel (Ni) <0.1 1067 .070 1022 | Boron (B) 1147 Selenium (Se) <1.0 .056 1027 | Cadmium (Cd) 1077 Siver (Aa) .158 <0.78 1034 | Chromium Total (Cr) 1102 Tin (Sn) .068 1042 | Copper (Cu) 1092 Zinc (Zn) 549.1 17.31 (Report to 1045 | Iron (Fe) 4053 Pesticides 0.XXX) 19.81 2.046 1051 Lead (Pb) 2730 Phenol 1.043 29. Samples collected by: Alliance Chemical Inc. Date: 12/12/79 30. Samples analyzed by: New York Testing Lab. Date: 12/31/79 Froducts being manufactured when sample was collected: Organic intermediates as described in #11. Certification: The information contained in Part II of this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete, and accurate. If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation. 31. Name of Signing Official: W. C. Henning Title: Plant Manager Date

M.C. Wenning

Signature

(II-4)

MUNICIAAL STORM SPUER AVE P ALLIANCE Ö SANTTALY & PRACES 7007 46 47 \$ 817 Alliance Chen Nemark 4020

CERTIFICATION

0F

CORPORATE RESOLUTION

0F

ALLIANCE CHEMICAL INC.

The undersigned, being the Secretary of Alliance Chemical Inc. (the "Corporation") hereby certifies that the following is a true and correct transcript of a resolution adopted by the directors of the Corporation at a special meeting held at Ridgefield, New Jersey, on January 10, 1980.

NOW, THEREFORE, BE IT RESOLVED that William C. Henning, Plant Manager of the Corporation is hereby granted the authorization to sign an application on behalf of the Corporation with the Passaic Valley Sewerage Commission.

Frank Spill Secretary



130 - 3905

December 17, 1992

Mr. Carmine T. Perrapato Executive Director Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, NJ 07105

RE: OCPSF Compliance

December 7, 1992 Letter - Cyanide.

Dear Mr. Perrapato:

Enclosed find the corrected page from the MR-1 report for the month of October 1992 with changes made to the Cyanide data.

From discussions with Analab Inc., it appears that these data are questionable. They subcontracted the analysis of these samples out to Chyun Labs, who apparently failed to make allowance for the presence of interfering species, thus resulting in false high results.

We do not use Cyanide or any Nitrile compounds as raw materials nor do we produce them as products, hence we do not expect high cyanide levels in the wastewater. This is evidenced by the fact that none occurred in the preceding months or in November or December.

Very truly yours,

Alliance Chemical, Inc.

Richard E. Braun Vice President,

Operations

PRETREATMENT MONITORING REPORT

Name	ALLIANCE CHEMICAL INC.	
Mailing Address	33 Avenue P, Newark, NJ 07105	
Facility Location	309 Avenue P, Newark, NJ 07105	
Category & Subpart_	40 CFR 414.85 Subpart H Outlet	#_20401080-44000-0201
Contact Official	William Henning Telephone	# 201-344-2344

Monitoring Period						
10	1	92	10	31	92	
Mo.	Day	Yr.	Mo.	Day	Yr.	
Start End						

For Reporting Period

AVG MAX

Regulated flow-gal/day

23822 25013

Total Flow-gal/day

24322 25538

Production rate (if applicable)

Method used: See Note below.

Composite samples were determined using the combined waste stream formula. Grab samples used total flow minus the domestic flow.

Parameter		Mass Limit or Concentration			No. of	Sample type
		Average	Maximum	Units	Samples	Comp./grab
Total	Sample measurement	1330	2000	ppb	4	Grab
Cyanide	Permit requirement	420	1200	11		
Total Lead	Sample measurement	<10	<10	н	1	Composite
	Permit requirement	313	676	11		
Total Zinc	Sample measurement	450	450	11	1	Composite
	Permit requirement	1028	2556	11		
	Sample measurement					
	Permit requirement					

ANA 205 Campus Plaza 1, Raillan Center, Edison, NJ 08837, Tel: (908) 225-4111, Fax: (908) 225-4110

December 21, 1992

Ian A: Stuart-Mills Environmental & Safety Pfister Chemical Inc. Linden Avenue Ridgefield, NJ 07657

Dear Mr. Stuart-Mills:

This letter is in regard to your October, 1992 monthly waste water discharge monitoring results for cyanide at your Newark, New Jersey, Alliance Chemical Inc., location.

This involves laboratory samples 92-10-0074-1, 4 and 9 analyzed at Analab, Inc. and samples 92-10-0314-1, 2, 3 and 4 analyzed by Chyun Associates of Princeton, New Jersey, (NJDEP Certified), due to capacity.

These samples showed higher values for cyanide than have been observed historically. The samples are known to contain interfering species, and were treated by the addition of sulfamic acid, by both laboratories, to reduce this positive interference. However, it is believed that the level of addition may have been insufficient to compensate for the amount of interfering species present.

Past history indicates Insignificant to Non-detectable levels of Cyanide with Alliance Chemical's samples and this has since been found with both November and December results.

Based on this evaluation, we believe that the cyanide results may be erroneously high due to matrix effects and may not be representative.

If you have any questions or comments, please feel free to contact me".

Sincerely,

Robert F. Hulit

Manager of Laboratory Sciences

Ch

PRETREATMENT MONITORING REPORT

(30-2933

Name ALLIANCE CHEMICAL INC.

Mailing Address 33 Avenue P, Newark, NJ 07105

Facility Location 309 Avenue P, Newark, NJ 07105

Category & Subpart 40 CFR 414.85 Subpart H Outlet # 20401080-44000-0201

Contact Official William Henning Telephone # 201-344-2344

	Monitoring Period						
10	1	92	10	31	92		
Mo.	Day	Yr.	Mo.	Day	Yr.		
Start				End			

For Reporting Period

Regulated flow-gal/day 23822 25013

Total Flow-gal/day <u>24322</u> <u>25538</u>

Production rate (if applicable)

Method used: See Note below.

Composite samples were determined using the combined waste stream formula. Grab samples used total flow minus domestic flow.

Parameter		Mass Limi	t or Conce	ntration	No. of	Sample
		Average	Maximum	Units	Samples	type Comp/grab
Benzene	Sample measurement	<5.0	<5.0	ppb	1	Grab
	Permit requirement	57	134	*		
Carbon	Sample measurement	<5.0	<5.0	11] 1	Grab
Tetra- chloride	Permit requirement	142	380	H		
Chloro-	Sample measurement	23.1	23.1	10] 1	Grab
benzene	Permit requirement	142	380	11		
1,2,4,-	Sample measurement	<200	<200	11	2	Composite
trichloro -benzene	Permit requirement	192	778	tt		
Неха	Sample measurement	<200	<200	lt .	2	Composite
chloro- benzene	Permit requirement	192	778	tt .		
1,2-	Sample measurement	<5.0	<5.0	н	1	Grab
dichloro- ethane	Permit requirement	180	574	n		
1,1,1-tri	Sample measurement	<5.0	<5.0	lt	1	Grab
chloro- ethane	Permit requirement	22	59	ti		
Неха	Sample measurement	<200	<200	11	2	Composite
chloro- ethane	Permit requirement	192	778	H		
1,1-	Sample measurement	<5.0	<5.0	ŧŧ	1	Grab
dichloro- ethane	Permit requirement	22	59	H		

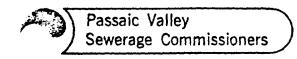
PVSC Form MR-1 Rev. 4 6/87 P1

Pg. 1

VINCENT CORRADO. SR.

ISAAC THOMAS, JR.

THOMAS J. CIFELLI
ROBERT J. DAVENPORT
RICHARD M. GIACOMARRO, SR.
KENNETH W. HAYDEN
CHARLES A. LAGOS
COMMISSIONERS



600 WILSON AVENUE NEWARK, N. J. 07105 (201) 344-1800 CARMINE T. PERRAPATO

JAMES M. PIRO CHIEF COUNSEL

NORMAN E. DARMSTATTER

November 13, 1984

Alliance Chemical, Inc. 33 Avenue P

Newark, NJ 07105

ATT: W.C. Henning

Dear Mr. Henning:

The purpose of this letter is to bring to your attention a serious matter and solicit your assistance in correcting it. Several cities throughout the country have experienced damage to local sewers and streets, as well as personal injury, which was caused by explosions of flammable or explosive materials inside the sewer. Although PVSC has not experienced a serious explosion in its service area from this cause, there have been incidents where quantities of flammable materials have been discharged to the sewer and have entered the treatment plant.

Federal regulations require treatment plants which experience these situations to establish numeric limitations. PVSC staff and members of the Citizens Advisory Committee worked together for more than two years to develop just such a regulation. This regulation was adopted on October 11, 1984, and this is the first of its kind in the country. The proper implementation of this regulation and the adherence to its provisions by the users in the PVSC service area, should minimize the likelihood of an explosion either in the local sewers or the treatment plant. It will also minimize the likelihood of a treatment process upset at PVSC which could cause the plant to violate its NJPDES Permit.

While PVSC has a significant amount of information on many companies we have little information on those companies who store, handle or use flammable or explosive materials which could be discharged to the sewer. The enclosed questionaire will aid PVSC in locating those sources as well as eliminating others. These questionaires will enable PVSC to help the various companies who could be subject to this regulation. The result of this study will be to minimize the risk of fire or explosion in the sewer lines or an upset of the sewerage treatment plant.

Page 2

Therefore, the prompt completion of this questionaire by each company will enable PVSC to complete this vital project efficiently. Please return this completed questionaire to the Industrial Waste Control Department within 30 days of receipt.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato, Executive Director

CTP/nk

Enclosures

INSTRUCTIONS FOR COMPLETING QUESTIONAIRE

Item 1, 2 and 3	self explanatory
Item 4	This includes alcohols, gasoline, kerosine, toluene or any other flammable or explosive liquid.
Item 5	Answer yes to item 5 (a) if these liquids are used to clean equipment or personnel, even if it is done in a garage or repair facility.
Item 6	Answer no only if flammable or explosive liquids never come in contact with any water or wastewater which is discharged to the sewer. You must answer yes even if you recover the flammable or explosive liquids by phase separation, distillation or other procedure, and then discharge the wastewater to the sanitary sewer.
Item 7	Specify whether a catalytic head, open flame, etc principle is used as well as if a recording device is used to keep a permanent record.
Note	Additional questions may be directed to the Industrial Waste Control Department of PVSC at (201) 344–1800.

QUESTIONAIRE

CONCERNING FLAMMABLE OR EXPLOSIVE MATERIALS

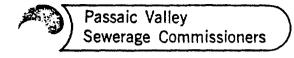
١.	Company Name				
	Address	City			
	Permit No. (If Applicable)				
2.	Person to Contact	Phone No			
3.	Do you have a connection to the sanitary sewer?				
	(a) for sanitary wastes(b) for industrial wastes	(Y - N) (Y - N)			
4.	Excluding fuel for heating purposes, do you store and explosive liquids? (If no, skip to item 9)	d/or handle flammable or (Y - N)			
5.	Do you use or generate flammable or explosive liqui	ds?			
	(a) to clean(b) in your manufacturing processes	(Y - N) (Y - N)			
6.	Do you mix flammable or explosive materials with some point and eventually discharge this water to the	th water, separate the water at ne sanitary sewer? (Y - N)			
7.	Do you have an instrument installed at your confimeasure the level of flammable or explosive vapors' If yes, describe principle of operation, and indicate	? (Y - N)			
•	A				
3.	Approximate total maximum gallons of flammable any one time (excluding fuel for heating purposes)	e or explosive liquids on hand at			

9.	I certify that the above statements are true to the	e best of my knowledge and belie
	DATE	SIGNATURE
	TITLE	PRINT NAME
	RETURN THIS FORM WITHIN 30 DAYS TO:	
	Industrial Waste Control Department Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, NJ 07105	

VINCENT CORRADO, SR.

ISAAC THOMAS, JR.

THOMAS J. CIFELLI
ROBERT J. DAVENPORT
RICHARD M. GIACOMARRO, SR.
KENNETH W. HAYDEN
CHARLES A. LAGOS
COMMISSIONERS



600 WILSON AVENUE NEWARK, N. J. 07105 (201) 344-1800 CARMINE T. PERRAPATO

JAMES M. PIRO

NORMAN E. DARMSTATTER

November 13, 1984

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Alliance Chemical, Inc. 33 Avenue P

Newark, NJ 07105

ATT: W.C. Henning

RE: CHANGE 4 TO THE PYSC RULES AND REGULATIONS

Dear Mr. Henning:

Enclosed is Change 4 to the PVSC Rules and Regulations. This change concerns the discharge of flammable materials to the sanitary sewer. This packet also contains other important information and should be reviewed carefully.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Frank P. D'Ascensio,

Superintendent Industrial Waste Control

FPD/nk

Enclosures

MEMORANDUM

TO:

MARIO GRAGLIA

FROM:

FRANK HERMO

DATE:

MARCH 18, 1993

SUBJECT:

CYANIDE T VIOLATION

CAT:414 OVER 1.2

COMPANY NAME ID#

WO#

SAMPLE DATE DATE COMP. RESULTS

LIMIT

ALLIANCE CHEM.

20401080

76415

3-11-93

3-12-93

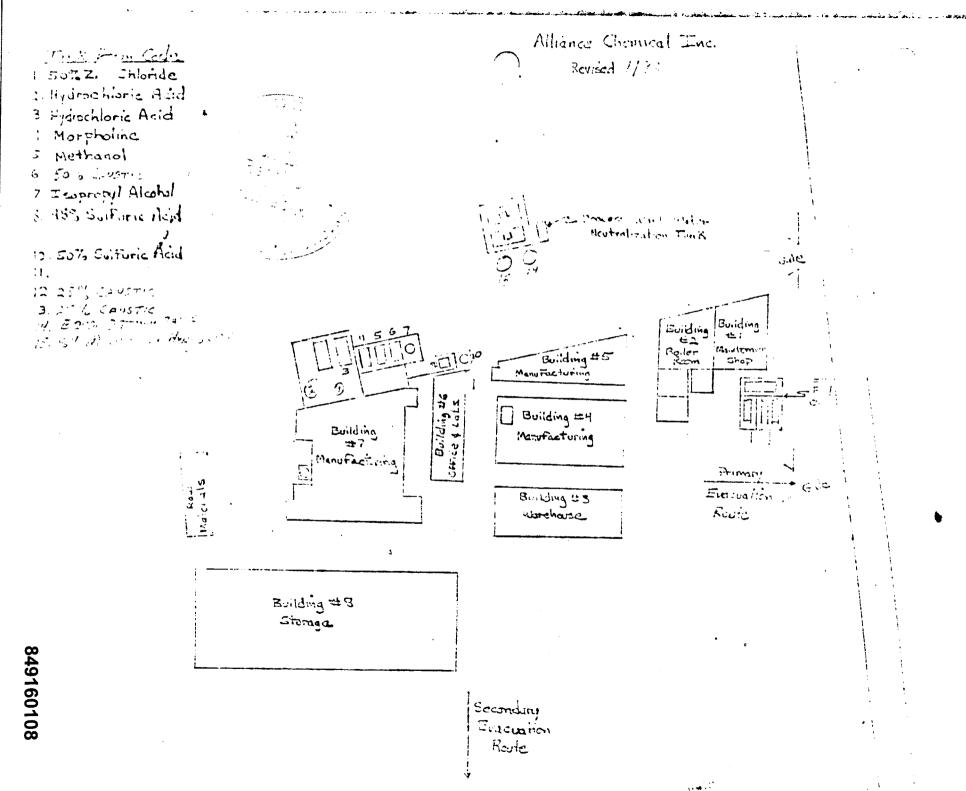
2.65

OVER 1.2

DIR: FVH

PHRASE B = HEAVY METAL & PHC RESULTS

3/18/93



Bacteriological and Chemical Testing 410 Hillside Avenue Hillside, NJ 07205

REPORT OF ANALYSIS Telephone (201) 688-8900 Fax (201) 688-8966

REPORT # 900821246 CLIENT # ALL02 DATE SUBMITTED: 8/24/90

Newark

MATHEW KLEIN, M.S., Director HARVEY KLEIN, M.S., Lab Supervisor

NJ 07105

ATT: Mr. William Henning

TO: Aliance Chemical, Inc.

33 Avenue P

SAMPLE TYPE: SEWER GRAB WATER

SAMPLE ID: #60-5-J, 60-5-M, 60-5-N, 60-5-O, 60-5-P, 60-5-R

SAMPLE LOCATION: @SEWER

DATE SAMPLED: 8/17/90

TIME SAMPLED: 3:32

ANALYSIS	RESULT	UNITS	
рН	8.10	Standard Units	
Oil and Grease	158.	mg/l	
Pet. Hydrocarbons	9.0	mg/l	
Cyanide	0.053	mg/l	

'			
.6			
	,		
	,	 	

< = less than, not detected.

Bacteriological and Chemical Testing 410 Hillside Avenue Hillside, NJ 07205

MATHEW KLEIN, M.S., Director HARVEY KLEIN, M.S., Lab Supervisor

> TO: Aliance Chemical, Inc. 33 Avenue P

REPORT OF ANALYSIS Telephone (201) 688-8900

(201) 688 8966

REPORT # 900821247 CLIENT # ALLO2

DATE SUBMITTED: 8/21/90

Newark

NJ 07105

ATT: Mr. William Henning

SAMPLE TYPE: COMPOSITE WATER

SAMPLE ID: #60-5-K, 60-5-L, 60-5-Q, 60-5-S, 60-5-T

SAMPLE LOCATION:

DATE SAMPLED: 8/17/90

TIME SAMPLED: 3:00

ANALYSIS	RESULT	UNITS	
Total Solids	53300.	mg/l	
Total Mineral Solids	36800.	mg/l	
Total Suspended Solids	3370.	mg/l	
Mineral Suspended Solids	2470.	mg/l	
Biochemical Oxygen Demand	1371.	mg/l	
Ortho Phosphates	<0.1	mg/l	
Chemical Oxygen Demand	6730.	mg/l	
Total Organic Carbon	1493.	rng/i	
Ammonia Nitrogen	3523.	mg/l	
Total Kjeldahl Nitrogen	3830.	mg/l	
Phenois!	6.93	mg/l	
Sulfide	<10.	rng/i	
Antimony	<0.34	mg/l	
Arsenic	<0.007	mg/l	
Cadmium'	0.19	mg/l	
Chromium)	<0.07	mg/l	
Copper	0.31	mg/l	
Iron	11.8	mg/l	
Lead	1.07	mg/l	
Mercury '	<0.002	mg/l	
Nickel	<0.07	mg/l	
Selenium	<0.007	mg/l	
Silver	<0.07	mg/i	
Tin	8.17	mg/l	
Zinc	3283.	mg/l	
Boron	8.9	mg/l	•

< = less than, not detected.

Bacteriological and Chemical Testing 410 Hillside Avenue

Hillsida, NJ 07205

REPORT OF ANALYSIS ACID EXTRACTABLE COMPOUNDS Telephone (201) 688-890

(201) 688-896 Fax

REPORT # 900821246

CLIENT # ALLO2

DATE SUBMITTED: 8/21/90

NEWBRK

MATHEW KLEIN, M.S., Director

HARVEY KLEIN, M.S., Lab. Supervisor

NJ 07105

ATT: MR. BILL HENNING

33 RUENUE P

SAMPLE TYPE: SEWER GRAB WATER

TO: ALLIANCE CHEMICAL INC.

SRMPLE ID: #60-5-J, #60-5-M, #60-5-N

SAMPLE LOCATION: #60-5-0, #60-5-P, #60-5-R

DRTE SRMPLED: 8/17/90

TIME SAMPLED: 3:32 PM

COMPOU	4B	RESULT
4-CHLORO-3-METI	TYLPHENOL	<0.1
2-CHLOROPH	ENOL	<0.1
2,4-DICHLORO	and the second of the second o	<0.1
2,4-DIMETHYL	PHENOL	<0.1
2,4-DINITROP		<0.5
2-METHYL4,6-DIN	TROPHENOL	<0.5
2-NITROPHE	NOL	<0.1

COMPOUND	RESULT
4-NITROPHENOL	<0.5
PENTACHLOROPHENOL	<0.5
PHENOL	<0.1
2,4,6-TRICHLOROPHENOL	<0.1
DATE EXTRACTED	8/24/90
DATE ANALYZEO	9/6/90

TEST RESULTS ARE IN PARTS FER MILLION.

<=LESS THAN, NONE DETECTED.</pre>

ANALYSIS PERFORMED BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY, USEP A METHOD 625.

Bacteriological and Chemical Testing
410 Hillside Avenue

Hillside, NJ 07205

MATHEW KLEIN, M.S., Director
HARVEY KLEIN, M.S., Lab., Supervisor
TO: RLLIRNCE CHEMICAL INC.
33 AUENUE P

REPORT OF BASE/NEUTRAL ANALYSIS

Telephone (201) 688-Fax (201) 688-

REPORT # 900821246 CLIENT # ALLO2

DATE SUBMITTED: 8/21/90

NEWARK

NJ 07105

ALT: ROGER HUTH

SAMPLE TYPE: SELVER GRAB WATER

SAMPLE ID: #60-5-J, #60-5-M, #60-5-N

SAMPLE LOCATION: #60-5-0, #60-5-P, #60-5-R

DATE SAMPLED:

TIME SAMPLED:

COMPOUND	RESULT	COMPOUND	RESULT
ACENAPHTHEME	<0.1	2,4-DINITROTOLUENE	<0.1
ACENAPHTHYLEME	<0.1	2,6-DINITROTOLUENE	<0.1
ANTHR ACENE	<0.1 n	DI-N-OCTYLPHTHLATE	<u> </u>
BENZIDINÉ	<0.5	FLUORANTHENE	0.1
BENZO(a) ANTHRACENE	∢0.1	FLUQRENE	<u>:0,1</u>
BENZO(b)FLUOR ANTHENE	<0,1	HEXACHLOROBENZENE	<0.1
BENZO(k)FLUOR ANTHENE	40.1	HEXACHLOROBUT ADIENE	@.1
BENZO(a)PYRENE	<0.1	HEXACHLOROCYCLOPENT ADIENE	(0.1
BENZO(qhi)PERYLENE	Ø.1	HEXACHLOROETHANE	<u> </u>
BENZYL BUTYL PHTHALATE	Ø 1	INDENO(1,2,3-cd)PYRENE	<0.1
BIS(2-CHLOROETHYL)ETHER	Ø.1	ISOPHORONE	<0.1
BIS(2-CHLOROETHOXY)METHANE	<8.1	NAPHTHALENE	<0.1
BIST2-ETHYLHEXYL)FHTHALATE	(0.1	NITROPENZENE	<0.1
BIS(2-CHLOROISOPROPYL)ETHER	40.1	N-NITROSODIMETHYLAMIME	কু 1
4-BROMOPHENYL PHENYL ETHER	<0.1	N-NITROSODI-M-PROPYLAMINE	0.1
2-CHLORON APHTH ALENE	<0.1	N-NITROSODIPHENYLAMINE	(01
4-CHLOROPHEMYLPHENYL ETHER	<0.1	PHENANTHRENE	01
CHRYSENE	<0.1	PYRENE	<0.1
DIBENZO() ANTHRACENE	<0.1	1,2,4-TRICHLOROBENZENE	- 01
DI-N-BUTYLPHTHALATE	<0.1		
1,3-DICHLOROBENZENE	₹0.1		
1 2-DICHLOROBENZENE	<0.1		
1,4-DICHLOROBENZENE	<0.1		
3,3'-DICHLOROBENZIDINE	<0.1	DATE EXTRACTED	8/24/90
DIETHYL PHTHALATE	<0.1	DATE ANALYZED	9/6/90
DIMETHYL PHTHALATE	<0.1		1

RESULTS ARE IN FARTS PER MILLION.

CELESS THAN, NONE DETECTED

ANALYSIS PERFORMED BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY, USEP A METHOD 625.

Bacteriological and Chemical Testing
410 Hillside Avenue
Hillside, NJ 07205

REPORT OF VOLATILE ORGANIC ANALYSIS

Telephone (201) 688-89

Fax (201) 688-89

REPORT # 900821246

CLIENT # ALLO2

DATE SUBMITTED: 8/21/90

MATHEW KLEIN, M.S., Director HARVEY KLEIN, M.S., Lab, Supervisor

TO: ALLIANCE CHEMICAL INC. 33 AVENUE P

NEWARK

NJ 07105

ATT: MR. WILLIAM HENNING

SAMPLE TYPE: SEWER GRAB WATER

SRMPLE ID: #60-5-J, #60-5-M, #60-5-N

SAMPLE LOCATION: #60-5-0, #60-5-P, #60-5-R

DATE SAMPLED:

TIME SAMPLED:

COMPOUND	RESULT	COMPOUND	RESULT
Chloromethane	₹500.0	1,1,2 Trichloroethane	₹500.0
Bromomethane	₹500.0	cis-1,3 Dichloropropylene	< 500.0
Dichlorodifluoromethane	<500.0	Benzene	₹500.0
Vinyl Chloride	<500.0	2-Chloroethylvinyl ether	₹500.0
Chloroethane	₹500.0	Bromoform	₹500.0
Methylene Chloride	₹500.0	1,1,2,2 Tetrachloroethane	₹500.0
Trichlorofluoromethane	₹500.0	Tetrachioroethylene	<500.0
1,1 Dichloroethylene	₹500.0	Toluene	< 500.0
1,1 Dichloroethane	₹500.0	Chlorobenzene	<500 Q
trans-1,2 Dichloroethlylene	₹500.0	Ethylbenzene	₹500.0
Chloroform	₹500.0	p-Xylene	₹500.0
1,2 Dichloroethane	₹500.0	m-Xylene	₹500.0
1,1,1 Trichlorgethane	₹500.0	o-Xylene	₹500.0
Carbon Tetrachloride	₹500.0	1,2 Dichlorobenzene	₹500.0
Bromodichloromethane	₹500.0	1,3 Dichlorobenzene	₹500.0
1,2 Dichloropropane	<500.0	1,4 Dichlorobenzene	<500 O
trens-1,3 Dichloropropene	₹500.0	cis-1,2 Dichloroethylene	₹500.0
Trichloroethlyene	₹500.0	Date of Analysis	8/28/90
Dibromochloromethane	₹500.0		
Methyl tert-Butyl Ether	₹500.0		
Isopropyl Ether	. ₹500.0		

RESULTS ARE IN PARTS PER BILLION.
<=LESS THAN, NONE DETECTED. ANALYSIS PERFORMED BY GAS CHROMATOGRAPHY/MASS
SPECTROMETRY USEPA METHOD 624.

THE LIABILITY OF GARDEN STATE LABORATORIES, INC. FOR SERVICES RENDERED SHALL IN NO EVENT EXCEED THE AMOUNT OF THE INVOICE

SECTION E (CONTINUED)

100 B

your discharge.

Samples collected by:	William Henning		
		Date:	8/17/90
Samples analyzed by:	Garden State Labs		
<u> </u>		Date:	8/21/90
Products being manufa	actured when sample was collected:	Normal Prod	duction
Who performs the anal	ysis of the samples for User Charge?	Garden State	e Labs
Is the Laboratory cert	ified by NJDEP to conduct all the analy	ses? Y - N	Y
Who performs the anal	yses of the samples for the pretreatmen	nt parameters?_	
Garden State	Labs		
/			
_	t commenced for pretreatment, indica	• •	ou plan to use.
•	ified by NJDEP to conduct all the requi	ired Pretreatme	nt analyses?
Is The Laboratory cert	ified by NJDEP to conduct all the requi	ired Pretreatme	nt analyses?

SECTION F

PRETREATMENT

Industrial Category:	Organic Chemicals, Plastics & Synthetic Fibers
Subpart (s):	
Compliance date(s):_	November 5, 1990
Date Baseline Monito	oring Report (BMR) submitted to PVSC: June 20, 1988
Compliance schedule If yes is facility on se	Voc
<u>-</u>	Voc
If yes is facility on se	Voc
Does this facility con	ehedule?Explain if compliance date will not be met: me under the Resource Conservation and Recovery Act (RCRA)?

CERTITICATION:

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete, and accurate.

If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation.

Name of signi	Robert C. Brady
Manie or bigini	PRINT
TITLE:	Senior Vice President/General Manager
9/17/90	Colour Brady
DATE	SIGNATURE

TABLE 1 EPA PRIORITY POLLUTANTS

CHECK APPROPRIATE BOX

NAME	A	В	С	D		A	В	С	D
acenaphthene				V	2,4 dimethylphenol				/
acrolein				V	2,4 dinitrotoluene				V
acrylonitrile					2,6 dinitrotoluene	ļ			1
benzene					1,2 diphenylhydrazine				1/
benzidine				V	ethylbenzene	 	†		V
carbon tetrachloride				V	fluoranthene		 		7
(tetrachloromethane)					4-chlorophenyl phenyl ether				V
chlorobenzene					4-bromophenyl phenyl ether				V
1,2,4-trichlorobenzene				1	bis(2-cloroisopropyl) ether	!			V
hexachlorobenzene				7	bis(2-chloroethoxy) methane	-	<u> </u>		7
1,2 dichloroethane					methylene chloride	+	 		7
1,1,1, trichlorethane				V	(dichloromethane)		†		
hexachloroethane					methyl chloride		!		7
1,1, dichloroethane		1			(chloromethane)	-	-		
1,1,2 trichloroethane					methyl bromide				7
1,1,2,2, tetrachloroethane				/	(bromomethane)		<u> </u>		==
chlorethane				V	bromoform(tribromomethane				1
bis(chloromethyl) ether					dichlorobromomethane				V
bis(2 chloroethyl) ether				1	trichlorofluoromethane	.	<u> </u>		7
2-chloroethyl vinyl ether (mixed)					dichlorodifuoromethane		 		1
2-chloronaphthalene					chlorodibromomethane				7
2,4,6, trichlorophenol				/	hexachlorobutadiene		T		V
parachlorometa cresol	7			7	hexachlorocyclopentadiene				V
chloroform (trichloromethane)					isophorone				V
2 chlorophenol				1	naphthalene				V
1,2, dichlorobenzene				1	nitrobenzene		1		
1,3, dichlorobenzene					2-nitrophenol				V
1,4, dichlorobenzene	1			7	4-nitrophenol	 	 		
3,3, dichlorobenzidine	1				2,4-dinitrophenol	†			1/
1,1, dichloroethylene				/	4,6 dinitro-o cresol	 			1
1,2, trans-dichloroethylene	1			/	N-nitrosodimethylamine		1		
2,4, dichlorophenol					N-nitrosodiphenylamine				7
1,2, dichloropropane					N-nitrosodi-n-proplyamine		†		/
1,3 dichloropropylene	1			1	pentachlorophenol	 	 -		<u> </u>
(1,3 dichloropropene)	1			-	phenol		-		<u> </u>
(1)a grantarak ak ama)	- [l l	F	,			V

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

TABLE 1 EPA PRIORITY POLLUTANTS (CONTINUED)

CHECK APPROPRIATE BOX

NAME	A	В	С	D		A	В	С	D
bis(2-ethlhexyl) phthalate				1	endrin				V
butylbenzylphthalate				V	endrin aldahyde				/
di-n-butylphthalate				7	heptachlor	 			V
di-n-octylphthalate				1	heptachlor (epoxide)	1			V
diethylphthalate				7	BHC Alpha				V
dimethylphthalate				V	BHC Beta				V
benzo(a)anthracene				V	BHC Gamma	1			1
benzo(a)pyrene				/	BHC Gamma BHC Delta				V
3,4 benzofluoranthene					PCB-1242	T			1
benzo(k)fluoranthane				7	PCB-1254				1
chrysene				V	PCB-1221	1			7
acenaphthylene					PCB-1232				V
anthracene				7	PCB-1248	1			V
benzo(ghi)perylene					PCB-1260	1			V
fluorene				7	PCB-1016	+			1
phenanthrene				1	toxaphene	1			V
dibenzo(a,h)anthracene				1/	antimony (total)				1
indeno(1,2,3-c,d)pyrene				1	arsenic (total)	1			V
pyrene				V	asbestos (fibrous)	†			1
tetrachloroethylene					beryllium (total)	1			1
toluene					cadmium (total)	1	 		
trichloroethylene					chromium (total)	1			V
vinyl chloride					copper (total)	V			
aldrin				V	cyanide (total)	1			
dieldrin					lead (total)	V			
chlordane				7	mercury (total)				1
4,4 DDT				7	nickel (total)	1			1
4.4 DDE					selenium (total)				7
4,4 DDD					silver (total)	1			V
endosulfan 1		t			thallium (total)	1		 	1
endosulfan 11				V	zine (total)	1/	 	 -	-
endosulfan sulfate					2,3,7,8, tetrachlorodibenzo	1	<u> </u>	 	
		1			p-dioxin	1	 	 	 Ľ

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

TABLE 2 NJDEP EXPANDED PRIORITY POLLUTANTS

CHECK APPROPRIATE BOX

С	D
	/
	V
	_/
	V
	V
	V
	V
	V
	V
	LZ
	1
	V
	1
	1
	V
	V
	1
 	
	1

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

TABLE 3 EPA HAZARDOUS SUBSTANCES

CHECK APPROPRIATE BOX

NAME	A	В	С	D		A	В	С	D
acetaldehyde				1	isopropanolamine				·
allyl alcohol				V	kelthane				V
allyl chloride					kepone				V
amyl acetate				/	malathion				
aniline					mercaptodimethur				_/
benzonitril e				/	methoxychlor				
benzyl chloride				V	methyl mercaptan				V
butyl acetate				V	methyl methacrylate	T			V
butylamine				V	methyl parathion				1
captan				V	mevinphos	1			/
carbaryl				V	mexacarbate				1
carbofuran				V	monoethyl amine				~
carbon disulfide				V	monomethyl amine	1			1
chlorpyrifos				V	naled				1
coumaphos				V	napthenic acid				
cresol				1	nitrotoluene				/
crotonaldehyde				/	parathion				V
cyclohexane				V	phenolsulianate				V
2,4-D (2,4-dichlorophenoxy					phosgene				1
acetic acid)	E .				propargite	1			V
diazinon				V	propylene oxide				7
dicamba				/	pyrethrins				1
dichlobenil					quinoline				1
dichlone				V	resorcinol	7		· · ·	/
2,2-dichloropropionic acid				1	strontium				V
dichlorvos				1	strychnine	1			V
diethyl amine				V	stryrene				V
dimethyl amine				V	2,4,5-T (2,4,5-trichloro-				1
		1			phenoxy acetic acid)			1	
dinitrobenzene	1		 		TDE (tetrachloro-	F			7
					diphenylethane)			-	
diquat	<u> </u>			1	2,4,5-TP 2-(2,4,5-			1	7
	T				trichlorophenoxy)		-	1	
	 	t	t —		propanoic acid	-		 	
disulfoton	 	 	 	1	trichlorofon	1		 	1
diuron	 	 	 	1	triethylamine	1	 	 	7
epichlorohydrin	 	1	 	V	trimethylamine	+	 	 	1
1 - ·	i	1	1		•	1	i	1	

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

TABLE 3 EPA HAZARDOUS SUBSTANCES (CONTINUED)

CHECK APPROPRIATE BOX

ethanolamine	NAME	A	В	С	D		A	В	С	
ethion					/					Γ
ethylene diamine ethylene dibromide formaldehyde furfural vinyl acetate xylene xylene zirconium	ethion				V					Γ
ethylene dibromide formaldehyde furfural zirconium	ethylene diamine				V					Γ
fur fural / zirconium	ethylene dibromide				V					r
furfural zirconium	formaldehyde					xylenol				
	furfural				V.					Γ
guthion	guthion				V					Γ
guthion isoprene	isoprene				V					

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

MEMORANDUM

TO: Rocco D. Ricci, Chief Engineer

FROM: Frank P. D'Ascensio

DATE: November 25, 1980

SUBJECT: Alliance Chemical, Inc.

Attached is a copy of a report on the above subject concerning a recent inspection made by Federal and State Officials. As you can tell the effluent discharged from Alliance Chemical was in compliance with PVSC Rules & Regulations. It seems the major concern of the other officials was inadequate storage and housekeeping with possible ground water contamination. I trust that this information is sufficient for Commissioner Cifelli.

Frank P. D'Asceniso

1.0	
1	849160123
	CATE: Friday, November 21, 1980 WEATHER: Clear
	COMPANY NAME: Alliance Chemical Company,
	ADDRES: 33 Avenue P , Newark, NJ
71	NAME & TITLE OF PERSON CONTACTED: W. C. Henning
	TELEPHONE:
	PURPOSE OF VISIT: In View of recent visit by State and Federal Officials
	Pulgoss, Or VISIT: IN View of Teache Visite Si beats and Teacher
	ISCA RFCEIVED: ISCP ISSUED:
	ISCP MUMBER:
	SAMPLE TAKUM:
	PARRATIVE
	On Friday November 21, 1980, Inspector Roselli and I visited Alliance Chemical Co.,
	in Newark to determine in view of the recent visit by State and Federal officials
	if Alliance posed an additional problem to PVSC. Mr. W.C. Henning, the Plant Manager
	reviewed the findings of the officials. Primarily they were concerned with the low
	level of housekeeping and the general appearance of the area. Alliance was shutdown
	today in order to clean up and straighten out their plant. We were told that they
	will also erect a fence on the outside of their property, as directed by the DEP.
	Mr. Henning outlined several steps Alliance Chemical will take in order to upgrade
	their effluent facilities. They include covering an open trench at the rear of the
	property with pipe, and the installation of a catch basin prior to their neutralization

The pH of their effluent was within 'PVSC's limits and the pH recorders were

operating properly. In our opinion Alliance Chemical does not pose any additional

Marie J. Baselli.

File-Arhansas Co.

VINCENT CORRADO, SR.

ISAAC THOMAS, JR. VICE CHAIPMAN

THOMAS J. CIFELLI
ROBERT J. DAVENPORT
RICHARD M. GIACOMARRO, SR.
KENNETH W. HAYDEN
CHARLES A. LAGOS
COMMISSIONERS

Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE NEWARK, N. J. 07105 (201) 344-1800 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

JAMES M. PIRO CHIEF COUNSEL

NORMAN E. DARMSTATTER

June 3, 1985

Mr. J. Shirk Elson T. Killam Assoc, Inc. 27 Bleeker Street P.O. Box 1008 Millburn, New Jersey 07041

379-3400

RE: PUMPING AT ARKANSAS COMPANY

Dear Mr. Shirk:

On March 18, 1985 you wrote a letter to Passaic Valley Sewerage Commissioners accepting the requirements of our letter of March 15, 1985 concerning pumping contaminated water at the Arkansas Company. One of those conditions was that within 60 days, you were to submit a report to PVSC detailing steps to be taken to prevent any furture accumulation of water in the basement. To date, we have not received this report.

Please reply at your earliest convenience to this requirement.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

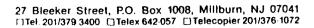
Frank P. D'Ascensio.

Superintendent of Industrial Waste Control

FPQ/mc

cc: Douglas Borgatti Mario Graglia

Elson T. Killam Associates, Inc.



Environmental and Hydraulic Engineers



March 4, 1985

Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, N J 07105

Attention: Mario Graglia

Re: Discharge of Water from basement flooding at Arkansas Company, 185 Foundry Street

Dear Mr. Graglia:

We hereby request authorization to discharge approximately 400,000 gallons of water to the Passaic Valley Sewerage Commission Wastewater Treatment Plant. These waters originated from seepage and broken pipes at the Arkansas Company. The waste was collected in two phases. Groundwater evidently seeped through the walls until 100,000 gallons had collected. This liquid was analyzed for Priority Pollutants and other compounds by Elson T. Killam Associates, Inc., with the attached results. Only trace quantities of acid extractable and base/neutral extractable priority pollutants were found. In a second episode, an additional 300,000 gallons of city water were discharged to the cellar through broken pipes.

In order to perform further on site operations, it is necessary for us to pump out these flows. If the results of priority pollutant analysis indicate that this water can be discharged to the PVSC treatment plant, please sign and return the enclosed copy of this letter.

Very truly yours,

ELSON T. KILLAM ASSOCIATES, INC.

Dames E. Shirk

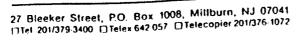
Senior Project Engineer

JES/ms

Accepted for Disposal Passaic Valley Sewerage Commission

Date

Elson T. Killam Associates, Inc.



Environmental and Hydraulic Engineers



ANALYTICAL DATA REPORT PACKAGE

Field Sample Number: _	1124-9001
Laboratory Sample Number:	786-1124-9001
Sample Location:	Lab Basement
Client Name:	Arkansas
Client Address:	Newark, NJ
Account Number:	112490
Date and Time of Sample Collection:	2/5/85 13:00

Lab Name:	Elson T. Killam Associates, Inc.
N.J. Certification No.:	07059
Supervisor/Manager Signature:	Dougla V. Theeli,
Name:	Douglas V. Sheeley
Date:	3/4/65

PESTICIDES/PCB'S DATA

Sample ID No: 1124-9001

Datat File No: ABN235

Lab Sample ID No: 786-1124-9001

	CONCENTRATION	DETECTION LIMIT
	(ug/L)	(ug/L)
•	الله الله الله الله الله الله الله الله	ڪو ڪه بيد بيد ڪ ڪيو بيد پيد پيد
ALDRIN	ND	10
ALPHA-BHC	ND	10
BETA-BHC	N D	10
GAMMA-BHC	ND	10
DELTA-BHC	ND	10
CHLORDANE	ND	10
4,4'-DDT	ND	10
4,4'-DDE	ND	10
4,4'-DDD	ND	10
DIELDRIN	BMDL	10
ALPHA-ENDOSULFAN	ND	10
BETA-ENDOSULFAN	ND	10
ENDOSULFAN SULFATE	ND	10
ENDRIN	ND	10
ENDRIN ALDEHYDE	ND	10
HEPTACHLOR	ND	10
HEPTACHLOR EPOXIDE	ND	10
PCB-1016	ND	10
PCB-1221	ND	10
PCB-1232	ND	10
PCB-1242	ND	1 0
PCB-1248	ND	10
PCB-1254	ND	10
PCB-1260	ND	10
TOXAPHENE	ND	10

ND = NONE DETECTED

BMDL = BELOW METHOD DETECTION LIMIT

VOLATILE COMPOUNDS DATA

Sample ID No: 1124-9001

Data File No: VOA095

Lab Sample ID No: 786-1124-9001

	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ACROLEIN	ND	100
ACRYLONITRILE	ND	100
BENZENE	ND	10
BROMOFORM	ND	10
BROMOMETHANE	ND	10
CARBON TETRACHLORIDE	ND	10
CHLOROBENZENE	ND	1 0
CHLORODIBROMOMETHANE	ND	10
CHLOROETHANE	ND	10
2-CHLORO ETHYL VINYL ETHER	ND .	10
CHLOROFORM	ND	10
CHLOROMETHANE	ND	10
DICHLOROBROMOMETHANE	ND	10
1,1-DICHLOROETHANE	ND	10
1,2-DICHLOROETHANE	ND	10
1,1-DICHLOROETHENE	ND	10
TRANS-1,2-DICHLOROETHENE	BMDL	10
1,2-DICHLOROPROPANE	ND	10
CIS-1,3-DICHLOROPROPENE	ND	10
TRANS-1,3-DICHLOROPROPENE	ND	10
ETHYLBENZENE	BMDL	10
METHYLENE CHLORIDE	BMDL	10
1,1,2,2-TETRACHLOROETHANE	ND	10
TETRACHLOROETHENE	ND	10
TOLUENE	ND	10
1,1,1-TRICHLOROETHANE	BMDL	10
1,1,2-TRICHLOROETHANE	ND	10
TRICHLOROETHENE	ND	10
VINYL CHLORIDE	ND	10
ACETONE - HSL	428	10
CARBON DISULFIDE - HSL	ND	10
2-HEXANONE - HSL	ND	10
METHYL ETHYL KETONE - HSL	ND	10
METHYL ISOBUTYL KETONE - HSL	BMDL	10
STYRENE - HSL	ND	10
VINYL ACETATE - HSL	ND	10
TOTAL XYLENES - HSL	BMDL	10

ND = NOT DETECTED BMDL = BELOW METHOD DETECTION LIMIT

ACID COMPOUNDS DATA

Sample No: 1124-9001

Data File No: ABN235

Lab Sample ID No. 786-1124-9001

	Concentration (ug/L)	Detection Limit (ug/L)
		3.4
2-CHLOROPHENOL	ND	13
2,4-DICHLOROPHENOL	ND	10
2,4-DIMETHYLPHENOL	ND	1 Ø
4,6-DINITRO-O-CRESOL	ND	10
2,4-DINITROPHENOL	ND	10
2-NITROPHENOL	ND	10
4-NITROPHENOL	ND	10
P-CHLORO-M-CRESOL	ND	10
PENTACHLOROPHENOL	15	10
PHENOL	ND	10
2,4,6-TRICHLOROPHENOL	ND	10

BASE-NEUTRAL EXTRACTABLE DATA

Sample ID No: 1124-9001 Data File ID: ABN235

Lab Sample ID No: 7,86-1124-9001

Lab Sample ID No: 786-1124-9001	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
ACENAPHTHENE	ND	10
ACENAPHTHYLENE	ND	10
ANTHRACENE	ND	10
BENZIDINE	ND	10
BENZO (A) ANTHRACENE	ND	10
BENZO (A) ANTHRACENE BENZO (A) PYRENE 3,4-BENZOFLUORANTHENE BENZO (GHI) PERYLENE BENZO (K) BLUORANTHENE	ND	10
3,4-BENZOFLUORANTHENE	ND	10
BENZO (GHI) PERYLENE	ИD	10
BENZO (K) FLUORANTHENE BIS (2-CHLOROETHOXY) METHANE	ND	10
	BMDL	10
BIS (2-CHLOROETHYL) ETHER	ND	10
BIS (2-CHLOROISOPROPYL) ETHER	ND	10
BIS (2-ETHYLHEXYL) PHTHALATE	37	10
4-BROMOPHENYL PHENYL ETHER	ND	10
BUTYLBENZYL PHTHALATE	ND	10
2-CHLORONA PHTHALENE	ND	10
4-CHLOROPHENYL PHENYL ETHER	ND	10
CHRYSENE	ND	10
DIBENZO (A,H) ANTHRACENE	ИD	10
1,2-DICHLOROBENZENE	ND	10
1,3-DICHLOROBENZENE	ND	10
1,4-DICHLOROBENZENE	ND	10
3,3'-DICHLOROBENZIDINE	ND	10
DIETHYL PHTHALATE	10	10
DIMETHYL PHTHALATE	ND ·	10
DI-N-BUTYL PHTHALATE	ND	10
2,4-DINITROTOLUENE	ND	10
2,6-DINITROTOLUENE	33	10
DI-N-OCTYL PHTHALATE	ND	10
1,2-DIPHENYLHYDRAZINE	ND	10
FLUORANTHENE	ND	10
FLUORENE	ND	10
HEXACHLOROBUTADIENE	ND	10
HEXACHLOROCYCLOPENTADIENE	ND	10
HEXACHLOROBENZENE	ND	10
HEXACHLOROETHANE	ND	10
INDENO (1,2,3-CD) PYRENE	ИD	10
ISOPHORONE	ND	10

Continued...

BASE-NEUTRAL EXTRACTABLE DATA (Continued)

Samble ID No: 1124-9001

Data File No: ABN235

Lab Sample ID No: 786-1124-9001

	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
NA PHT HALENE	ND	10
NITROBENZENE	ND	10
N-NITROSODIMETHYLAMINE	ND	10
N-NITROSODI-N-PROPYLAMINE	ND	10
N-NITROSODIPHENYLAMINE	ND	10
PHENANTHRENE	ND	10
PYRENE	ND	10
1,2,4-TRICHLOROBENZENE	10	10

ND = NONE DETECTED

BMDL = BELOW METHOD DETECTION LIMIT

OK,

METALS DATA

Sample No: 1124-9001

Lab Sample ID No. 786-1124-9001

	Detection
Concentration	Limit
(mg/L)	(mg/L)
	سير ڪيو. شير سيو مان ڪن ڪام سان پندو
Ø. Ø2	0.02
0.046	0.005
BDL	0.005
0.005	0.002
0.073	0.005
Ø.12	0.02
Ø.45	0.005
0.0002	0.0002
0.02	0.02
BDL	0.005
BDL	0.01
0.02	0.01
0.054	0.005
	(mg/L) 0.02 0.046 BDL 0.005 0.073 0.12 0.45 0.0002 BDL BDL BDL

BOL = BELOW DETECTION LIMIT

Elson T. Killam Associates, Inc.

27 Bleeker Street, P.O. Box 1008, Millburn, NJ 07041 []Tel 201/379 3400 []Telex 642-057 []Telecopier 201/376-1072

Environmental and Hydraulic Engineers



March 18, 1985

Mr. Frank P. D'Ascenzio Superintendent of Industrial Waste Control Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, NJ 07105

Re: Pumping at Arkansas Company, 185 Foundry Street.

Dear Mr. D'Ascenzio:

We hereby accept the requirements of your letter of March 15, 1985 for discharge of water from the Arkansas Company, 185 Foundry St.

We will implement the 100-200 gpm pumping rate by using a 200 gpm pump and by measuring flow rates in the plant sewer while the PVSC representative is present.

We would like to begin pumping on March 20, 1985.

Very truly yours,

ELSON T. KILLAM ASSOCIATES, INC.

James E. Shirk, P.E.

Associate

JES:em

CC: Mark von Sternberg

Elson T. Killam Associates, Inc.

27 Bleeker Street, P.O. Box 1008, Millburn, NJ 07041 □Tel. 201/379-3400 □Telex 642-057 □Telecopier 201/376-1072 Environmental and Hydraulic Engineers



March 18, 1985

Mr. Frank P. D'Ascenzio Superintendent of Industrial Waste Control Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, NJ 07105

Re: Pumping at Arkansas Company, 185 Foundry Street.

Dear Mr. D'Ascenzio:

We hereby accept the requirements of your letter of March 15, 1985 for discharge of water from the Arkansas Company, 185 Foundry St.

We will implement the 100-200 gpm pumping rate by using a 200 gpm pump and by measuring flow rates in the plant sewer while the PVSC representative is present.

We would like to begin pumping on March 20, 1985.

Very truly yours,

ELSON T. KILLAM ASSOCIATES, INC.

James E. Shirk, P.E.

Associate

JES:em

CC: Mark von Sternberg

3/20/95 - Observed plumping at \$200 6fth. No flooding. huter heat down \$ 1 foot in 16 mil likes. Export that entrere purping 11 b 4.11 take about 2 t days banglin INT CORRADO, SR.

ISAAC THOMAS, JR. VICE CHAIRMAN

THOMAS J. CIFELLI
ROBERT J. DAVENPORT
RICHARD M. GIACOMARRO, SR.
KENNETH W. HAYDEN
CHARLES A. LAGOS
COMMISSIONERS

Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE NEWARK, N. J. 07105 (201) 344-1800 CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

JAMES M. PIRO CHIEF COUNSEL

NORMAN E. DARMSTATTER

March 15, 1985

Mr. G. Walker E.T. Killam Associates, Inc. 27 Bleeker Street P.O. Box 1008 Milburn, New Jersey 07041

RE: DISCHARGE OF CONTAMINATED WATER

Dear Mr. Walker:

This is in response to your request to pump approximately 400,000 gallons of contaminated water from the basement of Arkansas Chemical company at 185 Foundary Street, Newark into the sanitary sewer. An examination of the analysis of a sample of water taken from the basement does not indicate any potential problems to the PVSC treatment works. However, the proposed pumping rate of 1500 GPM is too high and would constitute a "slug" discharge.

PVSC would permit the discharge of the contaminated water into the sanitary sewer if the following conditions were met:

- 1. This operation does not violate any PVSC Rules and Regulations;
- 2. PVSC representatives to be present when the pumping operation is started;
- 3. The pumping rate is to be maintained between 100-200 GPM to avoid a "slug" discharge;
- 4. Periodic observations and adjustments shall be made to insure that the pumping rate does not exceed the capacity of the sewer.
- 5. That this pumping be regarded as a "one time" happening; and
- 6. Within 60 days, submit a report detailing steps to be taken to prevent any future accumulation of water in the basement.

Please reply indicating your understanding and acceptance of these conditions and advise us when you plan to start the pumping operation.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

rank P. D'Ascensio,

Superintendent of Industrial Waste Control

849160137

DR - Proposea punsting rate braggest you heit to the Source. I would that that a rate & 150-200 600 frank, might be maximum wewould allow. Arkansas Chenical Attached 15 an analysis of the hater contained in The basemant of 11 hans as Chemical. Since the source has taken, a water the broke and 6. Walk & estimates that the total anount of hita in the basement is 400,000 gallons. This barem at har been a storeroom tor many shelow of small tab SIZE bottlas of chering has several 5,5 galdrums. Design I see no problem in pargoing this basement into the Santary & Course. Monerer Think-a parping nate of 1500 gal from hay be 100 minion of a Slag dishforge. I support This The contractor discharge This material our two days in stead of in 4.411. If got agree, 211 put tog etter s Lefter to killion whithan 2ing discharge. 3/4/85 849160138

Arkansas Cherrical to panyo out in 3.4 hor at that = 4.44 hrs 90000 gelf is a large slug dis danyge



THE ARKANSAS COMPANY, INC.

Specialty Chemicals since 1903

185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105

TELEPHONE 201/589-0518 • TELEX 138690 • CABLE ARKANCHEM

March 30, 1981

13~ 2775

Mr. Frank P. D'Ascensio, Superintendent of Industrial Waste Control Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, New Jersey 07105

Dear Sir:

On March 25, 1981 we received a letter saying that "our company has been identified by PVSC as an actual or potential discharger of mercury" Arkansas Co., Inc., does not produce any products containing mercury. It also does not purchase any raw materials that contain mercury.

The analysis of a composite sample of discharge waste showed no mercury. This analysis was used as a basis by PVSC to assess a figure for BOD and COD treatments.

Based upon the foregoing statements and analysis, Arkansas Co., Inc. feels that it is exempt from your request of two (2) composite sample analysis for each month for a period of three (3) months.

Very truly yours,

ARKANSAS COMPANY, INC.

George B. Reitz President

GBR/id

2 Sychetis montains Said he would work you

849160140

35, rue Edm. Tollenaere, B-1020 Brussels, Belgium Telephone (02) 427.71.00

Industriepark-Noord 8, B-2700 Sint-Niklaas, Belgium Telephone (031) 76.49.59

INDUSTRIAL SECTION INVESTIGATIVE REPORT
Date: 10-26-78 Weather Cloudy
Company Name: ARKANSAS
Address: 185 FOUNDRY ST NWK.
Name & Title of Person Contacted: George Reitz Pres.
Herman Werland chief chenis Telephone:
Purpose of Visit: 1x form as to P.H. control.
ck waste effulent
ISCA Received:ISCP Issued:
Sample Taken: PH. al Hilding Tank.
cheched plant disposal a detales a found no
risable sign of pollution in area
Taken morn a afternoon - discharged I aclay.
in the state of th
·

The second of the second secon

Margael Stust

SAMPLE # K 134

November 9, 1978

11:30 A.M.

Arkansas Chemical Complex, Foundry Street, Newark

Cloudy grayish liquid Fine grayish/brown suspended matter Slight grayish/brown sediment Industrial odor

7.6 pH

Taken by: R. Goldstein

ER:db

Chemist I

Sample # K 132

. . .

November 9, 1978

11:00 A.M.

Arkansas Chemical Complex, #2, Foundry Street, Newark

Cloudy colorless liquid Grayish/white suspended matter Slight grayish/white sediment Industrial odor

7.2 pH

Taken by: R. Goldstein

ER:db

Edward Rys, Chemist I

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7.6
         8.6
  9.5
          9.6
          8.5
          8.7
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          2.6
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        7.4
         8.1
        7.8
        6.8
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10/26 NOOH:0,02 w

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                            8.1
                7.2
                           7.8
                           6.8
                          12.0
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10/26 10.4

SCHEMATIC SKETCH OF PLANT INDUSTRIAL WASTE PIPING SHOWING VARIOUS PROCESSES. SHOW ALL INTERCONNECTIONS, SAMPLE POINT(S) AND CONNECTION TO MUNICIPAL SEWER.

(REFER ATTACHED)

Return to:

PASSAIC VALLEY SEWERAGE COMMISSIONERS

790 Broad Street Newark, N. J. 07102

Date: 6/14/12

Plant Ref. No. IAEO 455

WASTE EFFLUENT SURVEY

(For Industries Served by the Passaic Valley Sewerage Commissioners)

MORANICAS CAMBANII TAN
Plant Name: HRKANSAS COMBANY TIVE. Address: 185 FOUNDRY STNEWARK Zip 07/65
Address: 185 TOUNDRY STI-11-EWARK Zip 6/165
Person and Title to whom any further inquiries should be directed: 5444
SAMDERS-V. F. FRODUCTION ON JULE VON STERNIBLAGE
Phone No.: 359-0510 Exec. V.T.
Number of Employees: 8-5
Number of Working Days Per Week:
Number of Shifts Per Day: ONL
Area of Property: 2 CCEC5. Acres, or Sq. Ft.
Type of Industry and 4 digit U. S. Standard Industrial Classification No.: 5/6-284-4-5/00 2/5/
INDUSTRIAL Chemicals - leftile - Tapea Laluffun
Finished Product(s): Lextile - Leather + value Auxilians
Average Production: A Light Color line
Raw Materials Used: Alines John Market Company of Operations: Brief Description of Operations:
Brief Description of Operations:
Sulfate regetable + 20/100 / 2005. Then I calvered an
SurFASTanto, Cent enear Brushings in rece
Just Ast auto, Cent enear Problems in rich Jesus, sulfmate acone ates, Dloud 50 and 50 and 49160147
fraid (i);
V 049100147

Water received in Gallons (Note: multiply cu. ft. x 7.48)
Purchased water in 1971 from:
1st Quarter 2: 355
2nd Quarter 1, 849, 656, 9AL
1st Quarter 2, 349, 656 911. 2nd Quarter 2, 355, 966 946.
4th Quarter ~ 1070
Total Purchased 1971: 9, 278, 946 6-1965.
Well Water (Net Meting &) Tiques APPROXIMAYE - 3 has
Well Water (Net Mitired) Tique Attraximate - 3/1/3/
2nd Quarter
3rd Quarter
4th Quarter
Total well water received in 1971: 1, 152, 970 6-4-
River Water
1st Quarter
2nd Quarter
3rd Quarter
4th Quarter
Total river water taken in in 1971:
TOTAL OF ALL WATER RECEIVED IN 1971: 10 730 770 6 A
Water Use in 1971:
Water to Product (include evaporated and lost water):
Water to Sanitary Sewer: SANIANY linstes Collected in Exist
Water to Storm Sewer, River or Ditch: 6,226,000 gills.
Water to Product (include evaporated and lost water): Water to Sanitary Sewer: Water to Storm Sewer, River or Ditch: TOTAL WATER USE IN 1971: 1971: Water Use in 1971: Water to Product (include evaporated and lost water): 1971:
Name of River, Stream, or Tributary, and location of storm sewer or ditch outlet to river, stream, or tributary: Island River & Color of the Color o

ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

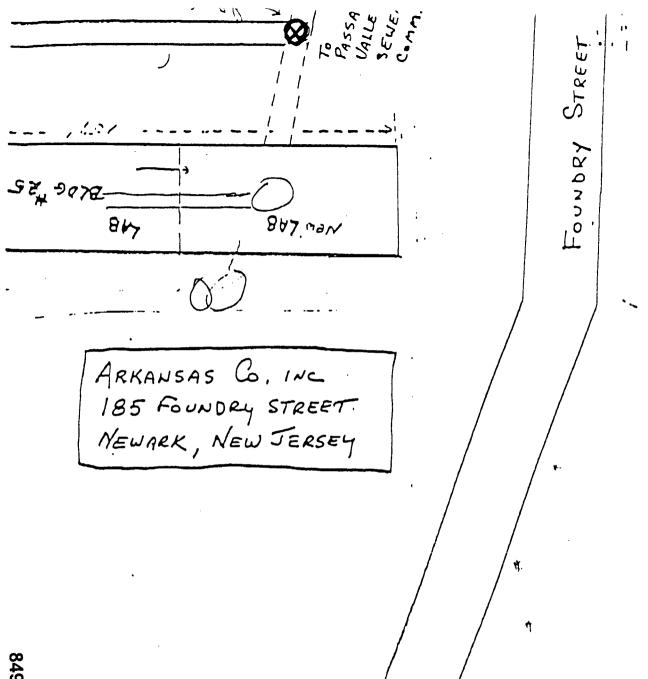
(Note: Analyses should be based on a 24-hour composite sample)

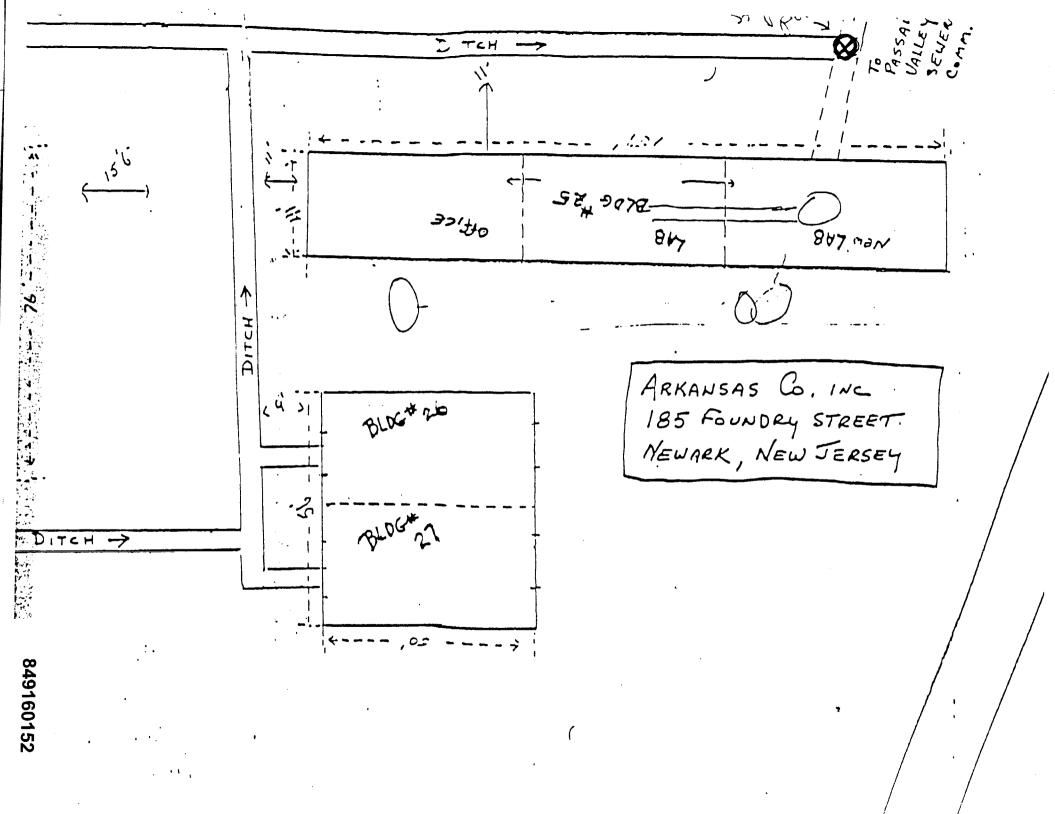
	Characteristics of Plant Waste discharged to sanitary or combined sewer, after treatment Indicate units of measure where applicable (e.g. Mg/l).
a) pH:	b) Turbidity:
c) Ten	perature:
c) Soli	ds Concentration:
1)	Total Solids
2)	Suspended Solids
f) Oil	and Grease Concentration:
1)	Floatable Oils
2)	Emulsified Oils
g) Chl	orides
h) Che	emical Oxygen Demand (C.O.D.):
i) 5-da	y Bio-chemical Oxygen Demand (B.O.D.):
j) Tota	d organic carbon (T.O.C.):
hex tota	allie Ions—Name and concentration (Important—list each metal in waste, e.g., chromium, and triv. Antimony, Lead, Mercury, Copper, Vanadium, Nickel; give concentration and I daily discharge of each metal.)
1) Tox	c Material—Name and concentration e.g., cyanide salts, etc.):
	vents—Name and concentration:
n) Res	insName and concentration (Lacquers, Varnishes, Synthetics):
o) Dat	eand time span of sample
(continuite	Explain hours, method of discharge of waste to Sanitary Sewer and peak rate of flow, e.g., uing for 8 hours per day, 5 days per week at 100 gal./day rate) (batch twice a day for 20 s at 100 gal./min.) (Continuous 24 hours steady or with peaks at 2 P.M., peak rate D.) etc.

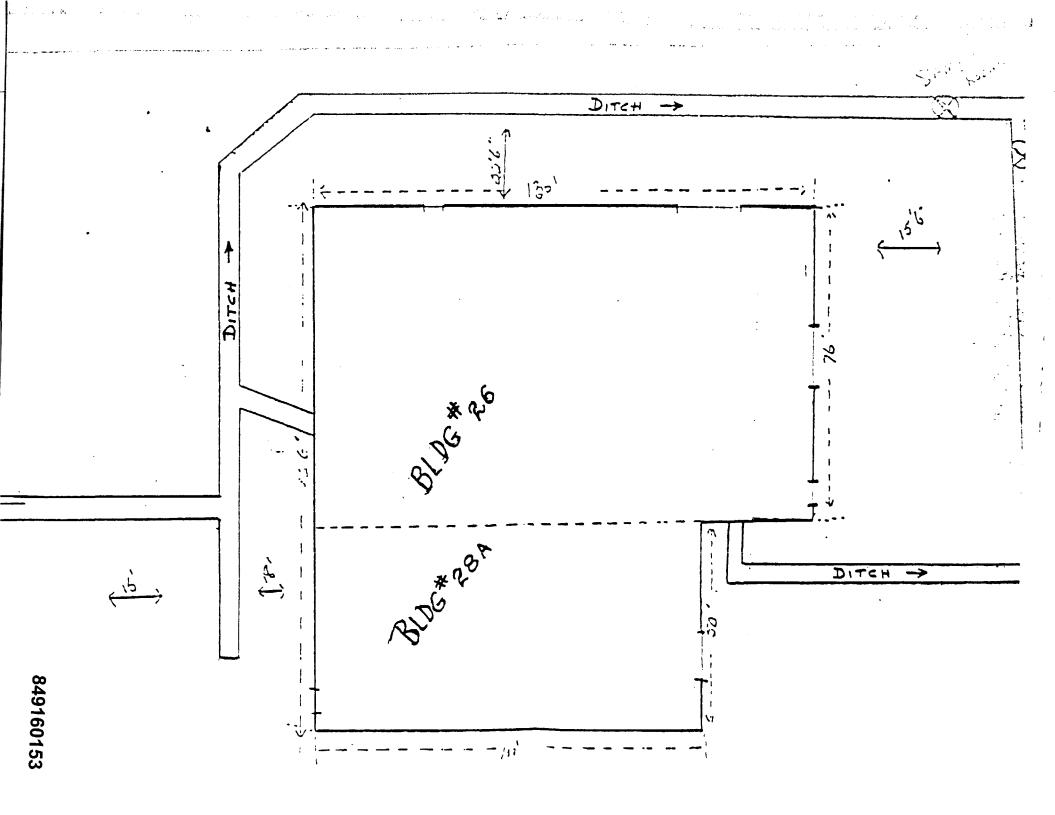
ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

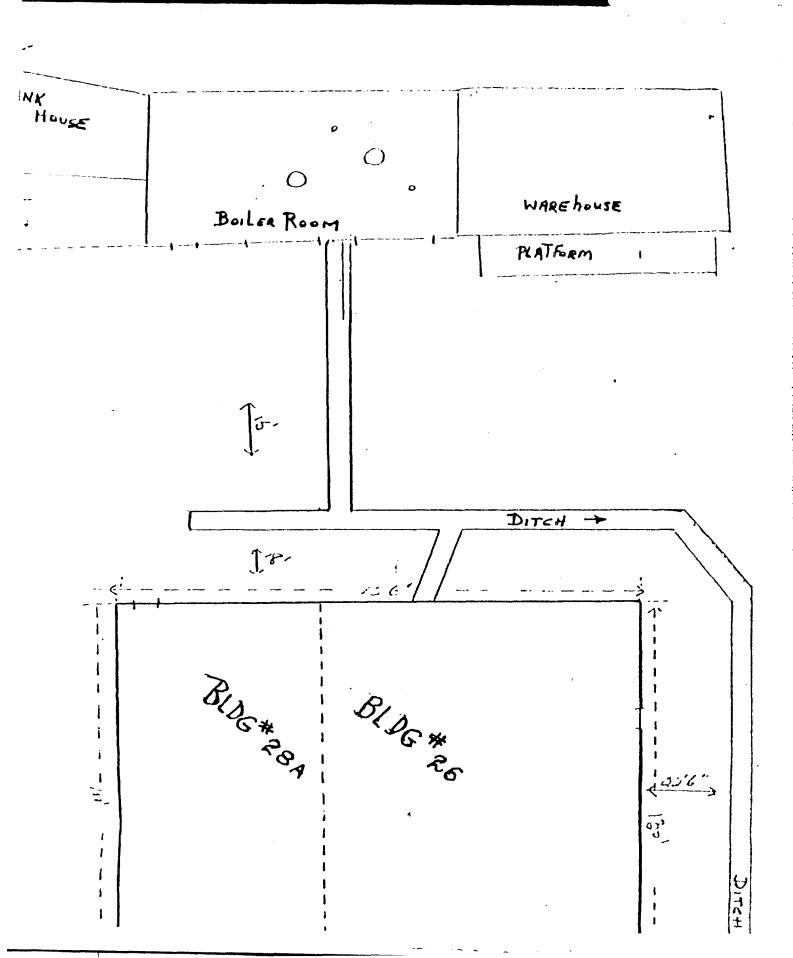
(Note: Analyses should be based on a 24-hour composite sample)

Characteristics of Plant Waste discharged to sanitary or combined sewer, after treatment if any. Indicate units of measure where applicable (e.g. Mg/l).				
a) pH:	b) Turbidity:			
c) Temperature:	d) Radioactive? Yes	No		
e) Solids Concentration:				
1) Total Solids	Volatile	Mineral		
2) Suspended Solids	Volatile	Mineral		
f) Oil and Grease Concentration:				
1) Floatable Oils		······································		
2) Emulsified Oils				
g) Chlorides				
h) Chemical Oxygen Demand (C.O.D.):				
i) 5-day Bio-chemical Oxygen Demand (B.C	D.D.):			
j) Total organic carbon (T.O.C.):				
k) Metallic Ions—Name and concentration (hex. and triv. Antimony, Lead, Mercury, total daily discharge of each metal.)	Copper, Vanadium, Nicke	1; give concentration and		
1) Toxic Material—Name and concentration	e.g., cyanide salts, etc.):			
m) Solvents-Name and concentration:				
n) Resins—Name and concentration (Lacquete)	puers, Varnishes, Synthetics)	:		
o) Date and time span of sample				
Explain hours, method of discharge of (continuing for 8 hours per day, 5 days per minutes at 100 gal./min.) (Continuous 2 3 M.G.D.) etc.	of waste to Sanitary Sewer a week at 100 gal./day rate) 4 hours steady or with pe	and peak rate of flow, e.g., (batch twice a day for 20 aks at 2 P.M., peak rate		









United States Testing Company, Inc.



CLIENT:

1415 PARK AVENUE • HOBOKEN, NEW JERSEY 07030 • 201-792-2400

REPORT OF TEST

67183 NUMBER

Arkansas Company, Inc.

185 Foundry St.

June 8, 1972

Newark, N. J. 07105

SUBJECT: Two (2) composite wastewater samples collected and identified by a United States Testing Co. Representative.

Project:

Wastewater collection and analyses.

Procedure:

The analyses were performed in accordance with <u>Standard</u>
<u>Methods for the Examination of Water and Wastewater</u>, of
the American Public Health Association, 13th edition, 1971.

Sampling:

Sampling was performed at each location indicated by the Client as effluent outfalls once per hour for a 24 hour period on 4/18/72 and 4/19/72. Samples were composited for each location proportional to flow. Flow rate was determined using a 30° V notch weir in each outfall.

SIGNED FOR THE COMPANY

Page 1 of 2

Laboratories in:

New York • Chicago • Los Angeles • Omaha • Tulsa • Memphis • Reading • Hanford



UNITED STATES TESTING COMPANY, INC. REPORT OF WATER AND WASTEWATER ANALYSIS

Page	2	af	2	

Client:	Arkansas	Company	Report No.	: 67182	Date	6/8/72
---------	----------	---------	------------	---------	------	--------

Sample No.: 1 Description Composite of large ditch - concentrate added

Sample No.: 2 Description Composite of small ditch

Acidity (as CaCO ₃) Alkalinity, Total (as CaCO ₃) Alkalinity Hydroxide Carbonate Bicarbonate Bicarbonate Sromides Total Organic Carbon Chemical Oxygen Demand (COD) Chlorides Cntorine Residual Chlorinated Hydrocarbons Oyanides Fluorides Hardness, Total Iodide Nitrogen Ammonia Ammonia Nitrate Nitrite Kiclahl Chi Grease Hardness Hardne	2	TEST Surfactants Aluminum Antimony Arsenic	.107	*
Alkalinity, Total (as CaCO ₃) Alkalinity Hydroxide Carbonate Bicarbonate Bicarbonate Fromides Total Organic Carbon Chemical Oxygen Demand (COD) Chlorides Collorine Residual Chlorinated Hydrocarbons Oyanides Fittorides Hordness, Total Iodide Nitrogen Ammonia Nitrate Nitrite Kieldahl Chlorinated Hydrocarbons Oo.04 Nitrite Kieldahl Chlorine Residual Chlorinated Hydrocarbons Oyanides Fittorides Hordness, Total Iodide Nitrogen Ammonia 3.20 Nitrate Nitrite Kieldahl Chlorinated Hydrocarbons Oo.04 Nitrate Nitrite Kieldahl Chlorinated Hydrocarbons Oo.04 Nitrate Nitrite Kieldahl Chlorinated Hydrocarbons Oo.04 Nitrate Nitrite Kieldahl Chlorinated Hydrocarbons Oo.05 Fittorides Iodidahl Chlorinated Hydrocarbons Oo.04 Nitrate Nitrite Kieldahl Chlorinated Hydrocarbons Oo.05 Fittorides Iodidahl Chlorinated Hydrocarbons Oo.04 Idea Adala Selica Dissolved Volatile Volatile Suspended Volatile Suspended Volatile Suspended Settleable Solids Selfates Iodo Idea		Aluminum Antimony	107	*
Alkalinity Hydroxide Carbonate Bicarbonate Chemical Oxygen Demand (COD) S77.7 Chlorides Chlorine Residual Chlorinated Hydrocarbons Cyanides Fluorides Hardness, Total Colide Nitrogen Ammonia Ammonia Ammonia Ammonia Aicalde Nitrite Kieldahl Cili Grease DH (Units) Fluorids Fluor		Antimony		4
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Chemical Oxygen Demand (COD) Chlorides Chlorine Residual Chlorinated Hydrocarbons Cyanides Fluorides Fluor	485.5	Chromium, Total		
Chlorine Residual Chlorinated Hydrocarbons Cyanides Fluorides Fluo	3000	Chromium, Hexavalent		1
Chlorinated Hydrocarbons Cyanides Eutorides Eutorides Electroness, Total Codide Nitrogen Ammonia Nitrate Nitrite Celdahl Chir Grease CHOUNTS) Chanols Chosphate, Total Solida, Dissolved Coldatile Total Suspended Volatile Volatile Suspended Volatile Suspended Solids Solids Solids Solids Solids Solids Solids Total Suspended Volatile Suspended Volatile Suspended Solids	1,202	Cobalt		
Cyanides Fluorides Fluorid		Copper		
Cyanides Fluorides Hardness, Total Fluorides Hardness, Total Floodide Nitrogen Ammonia Nitrate Nitrite Kjeldahl Chir Grease GR (Units) Flanois Flanois Flanois Flanois Flanois Silica, Dissolved Solids Total Suspended Volatile Total Dissolved Volatile Suspended Volatile Suspended Settleable Solids Suffates Suspendes		Iron		
Hardness, Total odide Nitrogen Ammonia 3.20 Nitrate Nitrite Kleidahl City Grease 68.0 Honois Phosphate, Total Silica, Dissolved Solids Total Suspended Volatile Total Dissolved Volatile Suspended Settleable Solids Silicase Settleable Solids Silicase Solids Total Suspended Volatile Total Dissolved Solids Total Dissolved Total Dissolved Solids Total Dissolved Total Dissolved Solids Total Dissolved Total Dissolved Total Dissolved Solids Solids Total Dissolved		Lead		
Nitrogen		Magnesium		
Nitrogen		Manganese		1
Ammonia 3.20 Nitrate 0.04 Nitrite Caldahl Dil, Grease 68.0 Ed. (Units) 10.80 Fanols Fhosphate, Total <0.05 Silica, Dissolved Solids Total 4612 Suspended 160 Volatile 1292 Total Dissolved Volatile Suspended 44 Settleable Solids Sifates 1000		Mercury		
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Nitrate	14.0	Nickel		
Nitrite	0.10	Potassium		,
Chi Grease 68.0 Chi (Units) 10.80 Chanols Chosphate, Total <0.05 Shida Oscilla 4612 Suspended 160 Volatile 1292 Total Dissolved Volatile Suspended 44 Settleable Solids Suffates 1000 Suspended 1000 Solids 1292		Selenium		
Chi Grease 68.0 Chi (Units) 10.80 Chanols Chosphate, Total <0.05 Shida Oscilla 4612 Suspended 160 Volatile 1292 Total Dissolved Volatile Suspended 44 Settleable Solids Suffates 1000 Suspended 1000 Solids 1292		Sodium	1120	1180
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Thenois Phosphate, Total Silica, Dissolved Solids Total Suspended Volatile Total Dissolved Volatile 1292 Total Dissolved Volatile Suspended Settleable Solids Sifates 1000	7.75	Titanium		
Edica, Dissolved Solids Total Suspended Volatile Total Dissolved Volatile Suspended Settleable Solids Suspended Settleable Solids Suspended Settleable Solids		Zinc		
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Total 4612 Suspended 160 Volatile 1292 Total Dissolved Volatile Suspended 44 Settleable Solids Suspended 1000		Biochemical Oxygen Demand (5 days)		,_,
Total 4612 Suspended 160 Volatile 1292 Total Dissolved Volatile Suspended 44 Settleable Solids Sifates 1000 Sides		Biochemical Oxygen Demand (20 days)		
Suspended 160 Volatile 1292 Total Dissolved Volatile Suspended 44 Settleable Solids Safates 1000	12,800	Coliform, Total (MPN/100 mls.)		
Volatile 1292 Total Dissolved Volatile Suspended 44 Settleable Solids Suifates 1000	4155	Coliform, Fecal (MPN/100 mls.)		
Total Dissolved Volatile Suspended 44 Settleable Solids Safates 1000	7,750	Fecal Streptococcus (MPN/100 mls.)		
Volatile Suspended 44 Settleable Solids Suifates 1000		Total Plate Count (per ml.)		
Settleable Solids Suifates 1000 Suifates	710	Odor (Units)		10.2
Suffates 1000	/	Color (Units)		·
Sufficies	1000	Specific Conductance (micromhos/cm.)		
	TUUU	Taste (Units)		
Sunites		Turbidity (J.T.U.)	60	220
		Isopropanol		330
	E OEO		12.0	<0.1
Total non-volatile suspended	5,050	Methanol Flow Rate GPM	4.0	<0.1
solids 116	5,050 3,445		2.2	1.8 55.8°

REMARKS:	*	Sample 1	No. 2	for	surfa	acta	ants	not	applicable	to	MBAS	method	-
		Several	atter	npts	made	- 1	too	many	interference	ces			
*													

849160156

114-4559

ORGANIC CHEMICALS QUESTIONAIRE

Below are listed twenty one different organic chemicals. Please indicate whether you purchase and use any of them. Also, please list the average quantity (in pounds) purchased each month for the previous 6 months (July 1984 through January 1985). If you have any questions call Frank D'Ascensio or Mario Graglia of the Industrial Department of PVSC at 344-1800.

Comp Addro	pany Name NILKS REF	(ME)	CII	ELT AFURGOS	
	nit No. 201024204380	030/ Date	14/1	NEIH, 1985	` , _
	Name of Chemical		hased or No	Avg. Lbs./Mon Purchased	
	Benzene				
	Carbon tetrachloride				
	Chlorobenzene		1		
	Chloroform		1		
1.65657	I, I-Dichloroethane				
	1, 2-Dichloroethane				
- 86	1, 2-Dichloropropane				
A 100 A	Ethylbenzene				
146	Methylene Chloride				
	<u>Tetrachloroethylene</u>			· .	
	Toluene				
	1, 2-Trans-Dichloroethylene				
	1, 1, 1-Trichloroethane				
!	1, 1, 2-Trichloroethane			•	
	Trichloroethylene				
	Pentachlorophenol		V		
	Phenol	YE	2	475	
	Naphthalene	1	1		
. 	Bis (2-Chloroethoxy) Methane		1		
	2-Chloronapthalené		2		
	Di-N-Butyl Phthalate		/		
Signature	Klaux Kin	ash	M.		
Title	MATTERIALS M	Nin.	1740		

Extyre

PASSAIC VALLEY SEWERAGE COMMISSIONERS APPLICATION FOR A SEWER CONNECTION PERMIT

11/16

SECTION A

(DO-899)

1.	Company Name: Atlas Refinery, Inc.
2.	Permit number if applicable, 20402420
3.	Location: 142 Lockwood Street, Newark, N.J.
	Zip Code: 07105
4.	Mailing Address: 142 Lockwood Street, Newark, N.J.
	Zip Code: 07105
5.	Person to contact concerning information provided in this application: Name of Contact Official: Steven B. Schroeder
	Title: General Manager Phone No. 589-2002
	Address: 142 Lockwood Street, Newark, N.J. Zip Code 07105
6.	Number of Employees - Full Time: 30 Part Time: None
	Number of Work Days Per Year: 256
	Number of Shifts Per Day: 1
7.	If property is owned indicate block and lot numbers:
	Block 2412 Lot 7 & Lot 82 Block 2438 Lot 65
	Assessed Value: 208,900.00 19 86
8.	If property is rented indicate name and address of owner: N.A.
	Total square feet rented: N.A.
9.	List NJPDES Permit number if applicable, Does not apply and
	name of receiving body of water entered

SECTION B

WATER DATA

10. Water Source: (Circle all appropriate answers)

Purchased

Well

Y -(N)

If Y, is it metered

Y - N

River

 $Y - (\widehat{N})$

If Y, is it metered

Y - N

11. Name of purchased water supplier: City of Newark

List all Acct #s: 06-759-8900-00

12. Water Received: From Mo. 4 Yr. 85 Through Mo. 4 Yr. 86

(* Next to a figure means it is estimated).

	PURCHASED	WELL	RIVER	TOTAL
1st Qtr	246,856			246,856
2nd Qtr.	510,917			510,917
3rd Qtr.	526,627			526,627
4th Qtr.	686,664			686,664

GRAND TOTAL 1,971,064

Report in gallons

13. Water Use and Disposition (* Next to a figure means it is estimated).

	Gallons Sanitary/Combined Sewer	Discharged Stormsewer/ River/Ditch	Gallons Used Other
Sanitary Service Only	198,000		
Process Waste Water	1,516,420		
Cooling Water	23,030		
Evaporation			3,000 *
Contained in the product	\rightarrow		230,614
Other (Describe)			
		1	I

GRAND TOTAL 1,971,064

SECTION B (CONTINUED)

14. Process wastewater which is discharged as above is metered as follows:

	-	- N	
to the Combined Sewer		- N	1/2
to a storm sewer		- 1	N/A
river or ditch	Υ -	- N	
Waste Hauler Information:		dependent c	ontractors used to
Contractor	Address	Icc#	Waste type handle
N/A			
	SECTION C		
ATIONAL CHARACTERISTI	<u>CS</u>		
Discharge of Industrial Waste	e is continuous		
or intermittent X	each operatin	ര ദ്യ	
r mtermittentx	each operatin	g aay.	
		•	7:30 am nours: Mainly 4:00 pm
f the discharge is intermitte	nt, it occurs between the	e following h	nours: Mainly 4:00 pm
f the discharge is intermitte Brief description of Manufac	nt, it occurs between the	e following h	we sulfate and sulphon
f the discharge is intermitte	nt, it occurs between the	e following h	we sulfate and sulphon
f the discharge is intermitte Brief description of Manufac	nt, it occurs between the	e following h	we sulfate and sulphon
f the discharge is intermitte Brief description of Manufac	nt, it occurs between the	e following h	we sulfate and sulphon
f the discharge is intermitte Brief description of Manufac natural and synthetic oil	nt, it occurs between the turing or other activity p s. We make custom bl	e following herformed:	Nours: Mainly 4:00 pm We sulfate and sulphon tural and synthetic oil
f the discharge is intermitte Brief description of Manufac	nt, it occurs between the turing or other activity p s. We make custom bl	e following herformed:	Nours: Mainly 4:00 pm We sulfate and sulphon tural and synthetic oil
f the discharge is intermitte Brief description of Manufac natural and synthetic oil	nt, it occurs between the turing or other activity p s. We make custom bl	e following herformed:	Nours: Mainly 4:00 pm We sulfate and sulphon tural and synthetic oil
f the discharge is intermitte Brief description of Manufac natural and synthetic oil	nt, it occurs between the turing or other activity p s. We make custom bl	e following herformed:	Nours: Mainly 4:00 pm We sulfate and sulphon tural and synthetic oil
f the discharge is intermitted in the discharge is intermitted. The discharge is intermitted in the discharge is intermitted in the discharge is intermitted i	nt, it occurs between the turing or other activity ps. We make custom bl	e following herformed: ends of nat	We sulfate and sulphon tural and synthetic oil noil, vegetable oils.
f the discharge is intermitte Brief description of Manufac natural and synthetic oil	nt, it occurs between the turing or other activity ps. We make custom bl	e following herformed: ends of nat	We sulfate and sulphon tural and synthetic oil noil, vegetable oils.
f the discharge is intermitted in the discharge is intermitted. The discharge is intermitted in the discharge is intermitted in the discharge is intermitted i	nt, it occurs between the turing or other activity ps. We make custom bl	e following herformed: ends of nat	We sulfate and sulphon tural and synthetic oil noil, vegetable oils.
f the discharge is intermitted in the description of Manufact and synthetic oil and lubricants. Principal Raw Materials used Principal Products or Service	nt, it occurs between the turing or other activity ps. We make custom bl	e following herformed: ends of nat	We sulfate and sulphon tural and synthetic oil noil, vegetable oils.

SECTION C (CONTINUED)

20.	Describe seasonal variations, if significant, giving dates, volumes, rates, hours, etc. Include										
	variations in product lines which affect waste characteristics: No seasonal variations										
	except for plant closing first two weeks of July each year.										

SECTION D

MONITORING

21. Describe any pretreatment process or effluent monitoring system in use:

#1	Outlet_	20402420		Sewer outlet	#1 f	rom oil	sepai	rator	in #5	building	separator
	_	receives	all plan	t industrial	wast	e which	is ac	cidula	ted ar	nd heated	to a boil
	Outlet_			to separate	any	residua	l oil	from	waste.	Residu	al oil is
		recovered	d and sep	arated with	an au	tomatic	oil s	skimme	r. Di	scharged	water is
	Outlet			neutralized	to a	pH of (5.8 to	7.0	and di	scharged	in sewer
		outlet #1	L (204024	20).							

22. Sampling information

Outlet	Contains ind. Waste	Sampler Type	Refrigerated
20402420	Yes	Manning S-5000 automatic sampler *	No - Not refrigerated
		,	during sampling. It is refrigerated Yes -after collection.

^{*} We have contracted with CFM Inc. 9 Whippany Rd., Whippany, N.J. 07981 to install refrigeration system in our automatic sampler. This project should be completed by August 15, 1986.

SECTION D (CONTINUED)

23. Volume Information

(c)

intersection.

Outle	<u>et</u>		Daily Flow (Gallons)	Metered (Y)- N		Date	
204	102420 -				Ultrasonic Flowmeter	6/1/86	
	··				with palmer bowlus fl	Lume.	
			,				
24.	Frequenc	y of calibrati	ion of each fl	low meter:	Monthly checks with	quarterly	calibration.
25.	Attach a	plot plan of	the property	showing:			
	(a)	all existing	or proposed	d sewer an	d drain lines (including	outlets to	a
		storm sewer	r, river or dit	tch);			
	(b)	sample poin	t (s); Monito	ring or Pret	reatment Equipment;		

details of the connection (s) to the municipal (or PVSC) sewer, including

the distance and direction of each connection from the nearest street

SECTION E

ANALYSIS OF INDUSTRIAL WASTE

26. Analysis for Industrial Waste must be a composite sample taken for each outlet.

OUTLET NO. 20402420

	he nearest unit: XX. re indicated with (1) 5 mg/l	,	Report to the nearest hundredth: 0.XX except where indicated Example: 0.36 mg/l			
Code	<u>Parameter</u>	Value	<u>Code</u>	<u>Parameter</u>	Value	
0200*	Radioactivity (PL-1)		1097*	Antimony (Sb)		
0500	Total Solids	.15,820	1002*	Arsenic (As)		
0510	Total Mineral Solids	:1158	1022*	Boron (B)		
0530	Total Suspended Solids		1027*	Cadmium (Cd)	.0.01	
0552	Mineral Suspended Solids	.179.6	1034*	Chromium Total (Cr)	.0.125	
0550 (1)	Emulsified Oil or Grease	.80.3	1042*	Copper (Cu)	.0.22	
0310	Biochemical Oxygen Demand		1045*	Iron (Fe)		
	(BOD)		1051*	Lead (Pb)	1.0	
0340	Chemical Oxygen Demand		0720 *	Cyanide (CN)	0.001	
	(COD)	:5840	1900 *	Mercury (Report to 0.XXX	X	
0680	Total Organic Carbon	1900	1067*	Nickel (Ni)	:0.2	
	(тос)	8	1147*	Selenium (Se)		
0745* (1)	Sulfide		1077*	Silver (Ag)		
9000 (1)	pH (standard unit range)	6.8	1102*	Tin (Sn)		
0625* (1)	Kjeldahl N as N		1092*	Zinc (Zn)	10.03	
0610* (1)	Ammonia as N		2730 *	Phenol	:0.002	
0507* (1)	Ortho Phosphates as P		4053*	Pesticides (Report		
9998 (2)	TTO (Report to 0.XXX)			to 0.XXX)		
			99996	TTVO (Report to 0.XXX)		

The Parameters marked with a (1) must be reported to the nearesth tenth, i.e., 1.6 mg/l. Those Parameters marked with an asterisk (*) need only be analyzed for if reasonably expected to be present in the discharge. (2) See instructions.

* To be reported at a later date.

SECTION E (CONTINUED)

		Data
		Date:
Samples analyzed by:	CFM Incorporated	
9 Whippany Road, W	Whippany, N.J. 07981	Date:
Products being manu	factured when sample was collect	ed:
Who performs the an	alysis of the samples for User Cha	arge? CFM Incorporated
Is the Laboratory cer	tified by NJDEP to conduct all th	ne analyses? (Y)- N Yes
Is the Laboratory cer	tified by NJDEP to conduct all th	ne analyses? (Y)- N_Yes_
	•	O
Who performs the an	alyses of the samples for the pret	reatment parameters? Ouality con
Who performs the an	alyses of the samples for the pret	reatment parameters? Ouality con-
Who performs the an	alyses of the samples for the pret	reatment parameters? Ouality con-
Who performs the and	alyses of the samples for the pret	reatment parameters? Ouality con
Who performs the and laboratory Atlas Atlas (If monitoring has n	alyses of the samples for the pret	reatment parameters? Ouality con-
Who performs the and laboratory Atlas Atlas (If monitoring has n	alyses of the samples for the pret	reatment parameters? Ouality con-
Who performs the and laboratory Atlas Atlas (If monitoring has n	alyses of the samples for the pret	reatment parameters? Ouality cons
Who performs the and laboratory Atlas Atlas (If monitoring has n	alyses of the samples for the pret	reatment parameters? Ouality con-
Who performs the and laboratory Atlas (If monitoring has nunknown, so state):	Refinery, Inc. Clock control of commenced for pretreatment	t, indicate laboratory you plan to u

849160164

your discharge.

31. Based upon knowledge of materials and processes used at this facility check the approprite box

that best describes the potential that a Priority Pollutant, listed on Tables 1, 2, & 3 is present in

SECTION F

PRETREATMENT

	Industrial Category:
	Subpart (s):
	Compliance date(s):
	Date Baseline Monitoring Report (BMR) submitted to PVSC:
(Compliance schedule submitted?
	If yes is facility on schedule? Explain if compliance date will not be met:
]	Does this facility come under the Resource Conservation and Recovery Act (RCRA)?
	Does this facility have a Spill Prevention Control and Countermeasures (SPCC) plan? Yes
	f yes, describe: Our plan covers the outside storage tank area on the northern
	section of the plant.

CERTITICATION:

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete, and accurate.

If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation.

Name of signing official: Steven B.	Schroeder
	PRINT
TITLE: General Manager	
7/3/86	Steven to De hireder
DATE	SIGNATURE

TABLE 1 EPA PRIORITY POLLUTANTS

NAME	A	В	С	D		A	B	C	1
acenaphthene			√		2,4 dimethylphenol			1	
acrolein			_		2,4 dinitrotoluene			1	Γ
acrylonitrile			7		2,6 dinitrotoluene			1	T
benzene			7		1,2 diphenylhydrazine			1	
benzidine	1		V		ethylbenzene			1	
carbon tetrachloride		1	7		fluoranthene			1	
(tetrachloromethane)					4-chlorophenyl phenyl ether			V	
chlorobenzene			✓		4-bromophenyl phenyl ether			1	
1,2,4-trichlorobenzene	1		V		bis(2-cloroisopropyl) ether		T	1	
hexachlorobenzene			7		bis(2-chloroethoxy) methane		1	1	T
1.2 dichloroethane	1		7		methylene chloride			1	
1,1,1, trichlorethane	1		7		(dichloromethane)		=	=	E
hexachloroethane	1		7		methyl chloride		1	17	
1,1, dichloroethane	1		7		(chloromethane)		=	-	
1,1,2 trichloroethane	1		7		methyl bromide			1	
1,1,2,2, tetrachloroethane	1		1		(bromomethane)		=		E
chlorethane	1		1		bromoform(tribromomethane			1	
bis(chloromethyl) ether			7		dichlorobromomethane			1	Π
bis(2 chloroethyl) ether	1		1		trichlorofluoromethane		1	1	1
2-chloroethyl vinyl ether (mixed)	1		7		dichlorodifuoromethane		1	1	
2-chloronaphthalene	1		V		chlorodibromomethane	1		1	
2,4,6, trichlorophenol	1		7		hexachlorobutadiene			1	
parachlorometa cresol			V		hexachlorocyclopentadiene			1	T
chloroform (trichloromethane)			1		isophorone		1	1	
2 chlorophenol	1		1		naphthalene		1	1	
1.2. dichlorobenzene			1		nitrobenzene			V	
1,3, dichlorobenzene	1		1		2-nitrophenol		T	V	Γ
1,4, dichlorobenzene			7		4-nitrophenol	 	1	1	
3,3, dichlorobenzidine	1		7		2,4-dinitrophenol		1-	1	T
1.1. dichloroethylene	1		7		4,6 dinitro-o cresol	1	1	1	1
1,2, trans-dichloroethylene	1	<u> </u>	7		N-nitrosodimethylamine	 	1	1	1
2.4. dichlorophenol	1		V		N-nitrosodiphenylamine		1	1	1
1,2, dichloropropane	T		7		N-nitrosodi-n-proplyamine		1	1	1
1,3 dichloropropylene	†	<u> </u>	7		pentachlorophenol	 	1	17	╁
(1,3 dichloropropene)	+	 	7	├── ┤	phenol	ļ	+	 	ļ

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

TABLE 1 EPA PRIORITY POLLUTANTS (CONTINUED)

NAME	A	В	C	D		A	В	С	D
bis(2-ethlhexyl) phthalate	T		√		endrin			√	
butylbenzylphthalate	†		V		endrin aldahyde	+		7	
di-n-butylphthalate	1	<u> </u>	7		heptachlor	+		1	-
di-n-octylphthalate			7		heptachlor (epoxide)	1		1	
diethylphthalate	1		7		BHC Alpha	1		1	
dimethylphthalate			7		BHC Beta			7	
benzo(a)anthracene			7		BHC Gamma BHC Delta			1	
benzo(a)pyrene			√		BHC Delta			V	
3,4 benzofluoranthene			√		PCB-1242			√	
benzo(k)fluoranthane			7		PCB-1254		1	1	
chrysene			7		PCB-1221	1		7	
acenaphthylene			7		PCB-1232			1	
anthracene			7		PCB-1248			7	
benzo(ghi)perylene			V		PCB-1260	1		1	
fluorene	1		V		PCB-1016	1		1	
phenanthrene	1		7		toxaphene			7	
dibenzo(a,h)anthracene	1		V		antimony (total)	1		1	
indeno(1,2,3-c,d)pyrene	1		7		arsenic (total)			7	
pyrene	1		7		asbestos (fibrous)	1		7	
tetrachloroethylene			V		beryllium (total)		1	V	
toluene			7		cadmium (total)		7		
trichloroethylene			✓		chromium (total)	✓_			
vinyl chloride			✓		copper (total)	V			
aldrin	T		✓		cyanide (total)			1	
dieldrin			✓		lead (total)	√			
chlordane	T		7		mercury (total)			1	
4,4 DDT			7		nickel (total)	V			
4,4 DDE			1		selenium (total)			V	
4,4 DDD	T		7		silver (total)	1	T	1	
endosulfan 1	1	1	7		thallium (total)	1	T	1	
endosulfan 11	1	1	7		zinc (total)	1			
endosulfan sulfate			7		zinc (total) 2,3,7,8, tetrachlorodibenzo	7	T	V	
					p-dioxin	T	T	1	

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

TABLE 2 NJDEP EXPANDED PRIORITY POLLUTANTS

NAME	A	В	C	D		A	В	C	D
acrylamide			1		n,n-dimethyl aniline			✓	
amitrole			1		3,3-dimethyl benzidine	1	<u> </u>	7	
amyl alcohols			1		1,1-dimethylhydrazine			✓	
anilne hydorchloride			17		dioxane			✓	
anisole		1	1		diphenylamine			✓	
auramine			1		ethylenimine		1	√	
benzotrichloride			1		hydrazine			7	
benzylamine			1		4,4'-methylene bis			1	
		1	1		(2-chloroaniline)		-		
o-chloroaniline		1	1		4,4'-methylenedianiline			1	
m-chloroaniline		1	1		methyl isobutyl ketone			1	
p-chloraniline		1	1		alpha-naphthylamine		1	17	
1-chloro-2-nitrobenzene			1		alpha-naphthylamine beta-naphthylamine	1	1	1	
1-chloro-4-nitrobenzene		1	1		n-methylaniline		†	17	
chloroprene		1	V		1,2-phenylenediamine		1	1	1
chrysoidine		1	1		1,3-phenylenediamine	1	1	1	
cumene		T	1		1,4-phenylenediamine		1	1	
2,3-dichloroaniline		T	1		sudan 1 (solvent yellow 14)		1	V	
2.4-dichloroaniline		1	1		thiourea	1	1	V	
2,5-dichloroaniline		1	V	1	toluene sulfonic acids		1	1	1
3,4-dichloroaniline		1	1	1	toluidines			1	
3,5-dichloroaniline		T	1	1	xylidines	1	1	1	1
1,3-dichloropropene	,		1	1					
1,3-dimethoxybenzidine			1						

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

TABLE 3 EPA HAZARDOUS SUBSTANCES

CHECK APPROPRIATE BOX

NAME	A	В	С	D		A	В	С	D
acetaldehyde			<		isopropanolamine		√		
allyl alcohol			√		kelthane			√	
allyl chloride			7		kepone			V	
amyl acetate			7		malathion			V	
anili ne			7		mercaptodimethur			√	
benzonitrile			1		methoxychlor			√	
benzyl chloride			V		methyl mercaptan			√	
butyl acetate			V		methyl methacrylate			V	
butylamine			7		methyl parathion		-	1	
captan		<u> </u>	1		mevinphos			7	
carbaryl			7		mexacarbate			7	
carbofuran			7		monoethyl amine			1	
carbon disulfide			7		monomethyl amine			1	
chlorpyrifos		1	7		naled		1	1	
coumaphos			7		napthenic acid			1	
cresol			7		nitrotoluene			1	
crotonaldehyde			7		parathion			1	
cyclohexane			7		phenolsulfanate			1	
2,4-D (2,4-dichlorophenoxy			7		phosgene			1	
acetic acid)					propargite	1		1	
diazinon			1		propylene oxide		1	V	
dicamba			1		pyrethrins	\neg		1	
dichlobenil			1		quinoline			1	
dichlone			1		resorcinol			1	
2,2-dichloropropionic acid			1		strontium			1	
dichlorvos			1		strychnine			1	
diethyl amine			1		stryrene		 	V	
dimethyl amine			7		2,4,5-T (2,4,5-trichloro-			V	
			<u> </u>		phenoxy acetic acid)				===
dinitrobenzene			7	-	TDE (tetrachloro-		 	1	
					diphenylethane)				
diquat			1		2,4,5-TP 2-(2,4,5-				
					trichlorophenoxy)				
		 			propanoic acid	F		ļ	
disulfoton		 	7		trichlorofon	-=	F -	V	
diuron		 	7		triethylamine		 	1	
epichlorohydrin		 	7		trimethylamine		 	17	
opionio on at m	•	(and a second second	ł	ł	{ ` .	ĺ

A. KNOWN TO BE PRESENT

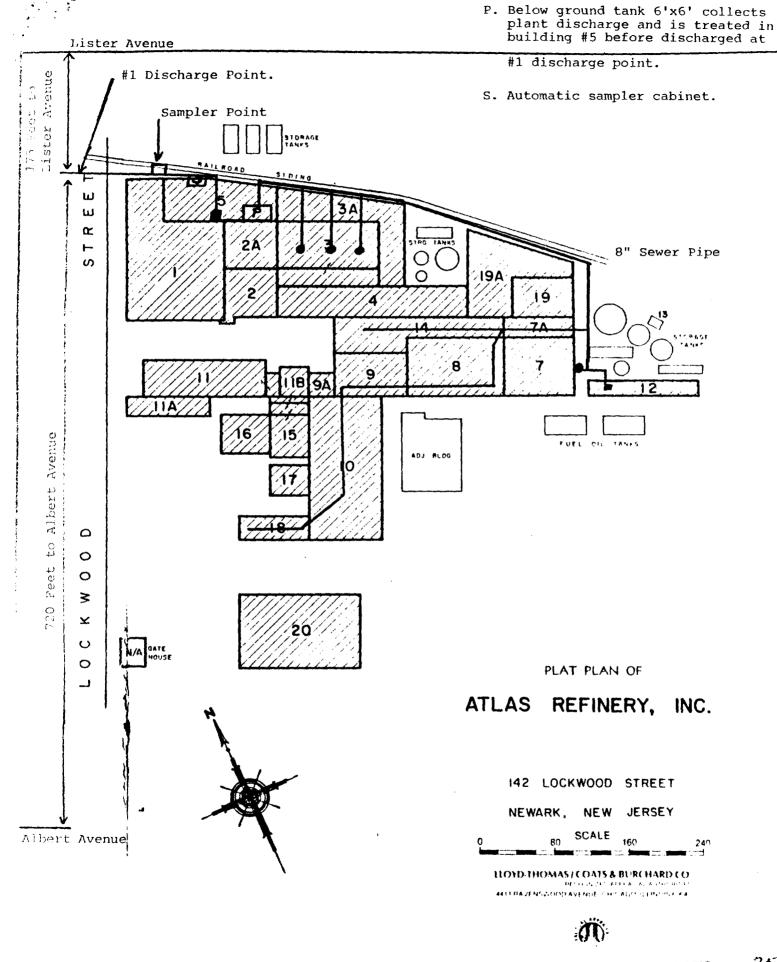
. *

- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

TABLE 3 EPA HAZARDOUS SUBSTANCES (CONTINUED)

NAME	A	В	С	D		A	В	C	D
ethanolamine_			✓		uranium			1	
ethion			₹		vanadium			1	
ethylene diamine			~		vinyl acetate			V	
ethylene dibromide			7		xylene			V	
formaldehyde		V			xylenol			\checkmark	
furfural			√		zirconium			V	
furfural guthion			√						
isoprene			1			1	1		

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT



Return to:
PASSAIC VALLEY SEWERAGE COMMISSIONERS
500 Wilson Avenue
Newark, N. J. 07105
(201) 344-1800

	Date: April 10, 1975
lant Ref. No.	

WASTE EFFLUENT SURVEY

(For Industries Served by the Passaic Valley Sewerage Commissioners)

Plant Name:	Atlas Refinery, In	nc.			
Address:	142 Lockwood Stree	et, Newark, N	ew Jersey	Zip	07105
Person and Title t	o whom any further i	-	be directed:		
Phone No.:	(201) 589-2002		··-		
Number of Employ	yces: 48				
• • • •	ng Days Per Week:	200			
Number of Shifts	Per Day:		.One		
Area of Property:	1.78	Acre	s, or		Sq. Ft.
Surface active	and 4 digit U.S. Stan	agents, sulf	onated oil and	assistants	
Finished Product(s): Oil for leather	, textile an	l paper industr	'Y	
Average Production	n: 14,000,000 lbs/	year		••••••••••••	•••••
Raw Materials Us	ed: Animal, vegetab	le and marin	e oil, mineral	oils	•••••
Brief Description of	of Operations: Refini	ng of animal	oils, sulfation	on and sulfon	ation of
animal, vegetal	ole and marine oils	. Sulfation	and sulfonation	n of straigh	t chain
hydrocarbons		·····		•••••	
,		·	,		

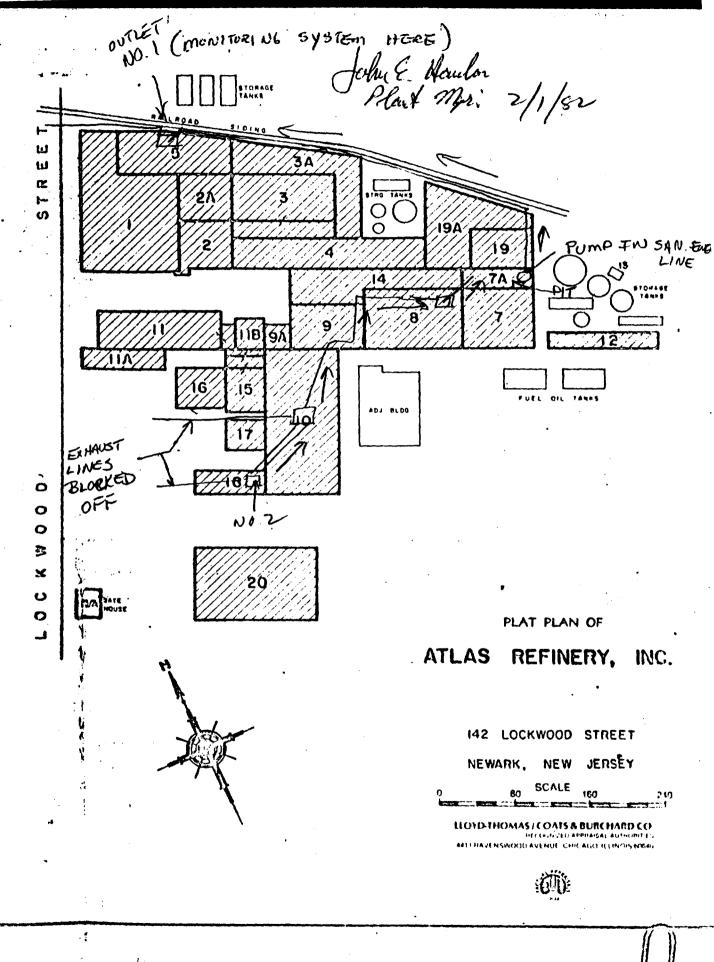
	974 from: City of Newark
~	883,747
-	608,160
•	477,411
4th Quarter	565,011
Total Purchased	1974 : 2,534,239
Wen water	pplicable
1st Quarter	
2nd Quarter	
3rd Quarter	
4th Quarter	
Total well water r	received in 19 :
River Water Not as	
Not a	pplicable
•	
. •	
_	. 1 . 2 . 40
	taken in 19:
TOTAL OF ALI	WATER RECEIVED IN 19:
Water Use in 1974:	
Water to Product (incl	udc evaporated and lost water): approximately 500,000 gallons
Water to Sanitary Sewe	r: approximately 2,000,000 gallons
Water to Storm Sewer,	River or Ditch:
TOTAL WATER	USE IN 1974: approximately 2,500,000 gallons
Name of River, Stream, or	Tributary, and location of storm sewer or ditch outlet to river, stream
or tributary:	

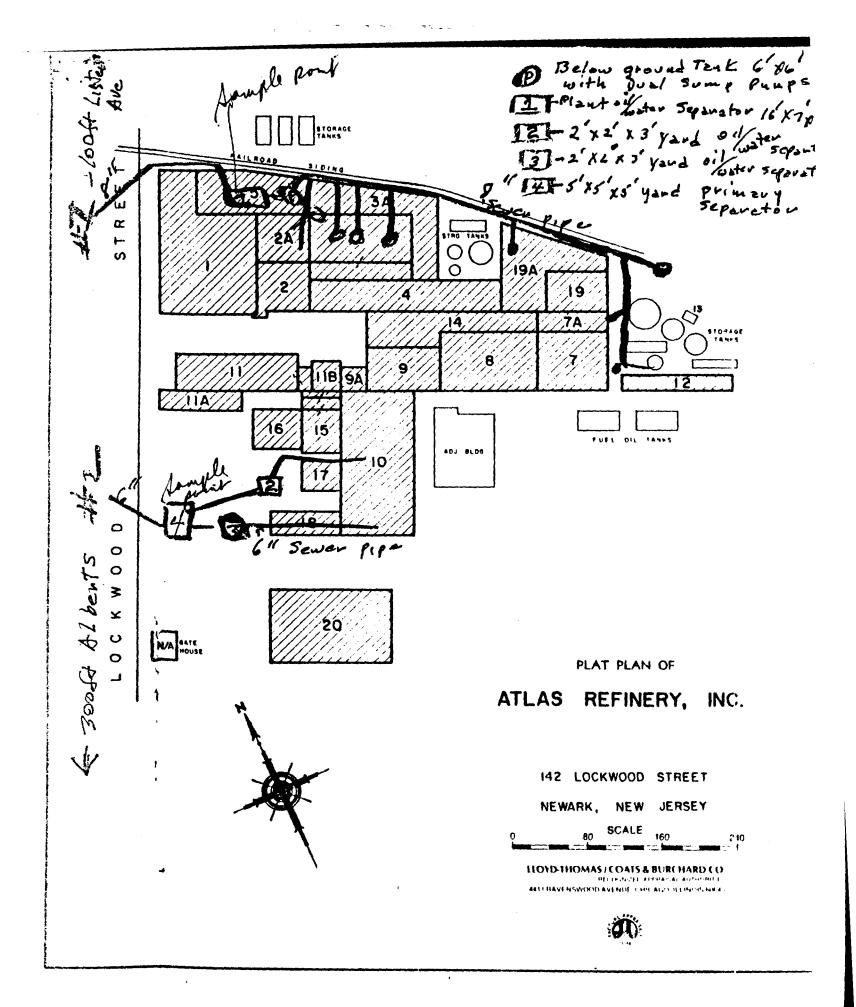
ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

(Note: Analyses should be based on a 24-hour composite sample)

	Characteristics of Plant Waste discha Indicate units of measure where app		ed sewer, after treatment
a) pH:	6.57	. b) Turbidity:86	O JTU
c) Tem	perature: 120 -130° F	d) Radioactive? Yes	NoX
•	ds Concentration: Total Solids 47363 mg/1	Volatile 1420 mg/1	Mineral 45940 mg/1
2)	Suspended Solids57 mg/1	Volatile 31 mg/1	Mineral 26 mg/1
1)	Floatable Oils		
•	Emulsified Oils 215.2 mg/1		
	orides5875_mg/1 emical Oxygen Demand (C.O.D.):		
	y Bio-chemical Oxygen Demand (B.O		
	al organic carbon (T.O.C.):		
hex. tota Alumi Sodiu	allic Ions—Name and concentration (. and triv. Antimony, Lead, Mercury, I daily discharge of each metal.) inum <4.5 ppm, Calcium 45.4 to 22 um 4.537 to 45,370 ppm, Silicon ppm, Manganes 4.5 ppm c Material—Name and concentration	Copper, Vanadium, Nicke 27 ppm, Copper < 4.5 ppm, 4.5 ppm, Lead 4.5 to 4	I; give concentration and Iron 4.5 ppm, 5.4 ppn, Magnesium
m) Sob	vents-Name and concentration:		
•	ins Name and concentration (Lacquapplicable	ners, Varnishes, Synthetics)	:
o) Date	c and time span of sample3/5/75.	- 3/6/75 Between 7:30	a.m. and 4:30 p.m.
/continuminutes 3 M.G.	Explain hours, method of discharge of uing for 8 hours per day, 5 days per ver at 100 gal./min.) (Continuous 24 D.) etc.	veck at 100 gal./day rate) hours steady or with pea	(batch twice a day for 20 aks at 2 P.M., peak rate
	hours daily at a peak rate flow		
	a.m. and 9:30 a.m.		849160175

In	Characteristics of Plant Discharge to edicate units of measure where applicable			treatment if any
a)	pH:	b) Turbidity:	***************************************	•••••
c)	Temperature:	d) Radioactive	? Yes	. No
. c)	Solids Concentration:			
	1) Total Solids	Volatile	Minera	I
	2) Suspended Solids	Volatile	Minera	I
f)	Oil and Grease Concentration:			
	1) Floatable Oils			
	2) Emulsified Oils			
g)	Chlorides			
h)	Chemical Oxygen Demand (C.O.D.):			
i)	5-day Bio-chemical Oxygen Demand (B.C	D.D.):	,	
j)	Total Organic Carbon (T.O.C.):			
k)	Metallic Ions—Name and concentration hex. and triv. Antimony, Lead, Mercury total daily discharge of each metal.):	, Copper, Vanadiun	n, Nickel; give o	concentration and
m	Toxic Material—Name and concentration Solvents—Name and concentration:			
	ResinsName and concentration (Lacq			
o)	Date and time span of sample:			·
De	you pretreat any waste before discharge?		•••••	•••••••••••••••••••••••••••••••••••••••
If	so, describe process and disposal of residue	removed:		
	ad			•••••
W.	Certification of Laboratory doing samp all be those shown in the 13th edition of Sastewater, where applicable. If no procedud procedure used in analyses.	tandard Methods for ure is applicable, the	r the Examination to the control of	on of Water and
		***************************************	- Dilee	
	- 54	Signature and	title of person pr	reparing report





PASSAIC VALLEY SEWERAGE COMMISSIONERS DEPARTMENT OF SANITATION CONTROL

LABORATORY REPORT

STANDARD METHODS OF ANALYSIS A.P.H.A. Milligrams per liter (mg/1)

RESULTS EXPRESSED IN PARTS RERY MULLION (PHENE)

185 P. M. DATE OF SAMPLE May 17, 1972 TIMESAMPLE NO..... SAMPLE OF Atlas Refinery, back yard ditch to sanitary sewer, 142 Lockwood St. TAKEN BY R. Altiero Newark, N. J. BIOCHEMICAL OXYGEN DEMAND (B.O.D.) TOTAL SOLIDS:-TURBIDITY TOTAL MINERAL CHLORINE RESIDUAL TOTAL VOLATILE Bacteria COLIFORM KILKENDERMIKKMERK per ml. SOLUBLE SOLIDS:-SOLUBLE MINERAL FLAMMABLE SOLUBLE VOLATILE EXPLOSIMETER READING (PERCENT) SUSPENDED SOLIDS:-SETTLEABLE SOLIDS (mls. Per Liter) 7.7 vc SUSPENDED MINERAL pΗ PHOSPHATE (ORTHO) SUSPENDED VOLATILE PHOSPHATE (TOTAL) ORGANIC NITROGEN AMMONIA NITROGEN TEMPERATURE NITRITE NITROGEN HEAVY METALS NITRATE NITROGEN 30 % OIL BY VOLUME TOTAL NITROGEN asg CHLORIDES AS CHLORINE ALKALINITY AS CaCO3 OXYGEN CONSUMED (C.O.D.)

DESCRIPTION

DISSOLVED OXYGEN (D.O.)

Light tan supernatant emulsion.
Oily odor.

NOTE: Oil extracted identified by the plant manager Mr. Lou Barta as pig oil, which is a light liquid oil extracted from pigs and used in the tennery industry.

REMARKS:

APPROVED

849160179



4/21/81

Department of Engineering

920 Broad Street Newark, New Jersey 07102 201 733-8520 Alvin I Zoob DE : I C

TO: FRANK D'ASCENSIO

Please give me a report on the Info covered in Bogert's rpt. for City of Nwk. 4/27/30. Would like by May 5, 1981.

PASSAIC VALLEY SETERLY

COLIMISSICIES

R.D

Alvin L. Zach, P.E.; L.S. Director

April 1, 1981

Carmine Perrapato Executive Director Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, N.J. 07105

RE: Atlas Refinery, Lockwood Street

Dear Mr. Perrapato:

The Atlas Refinery on Lockwood Street is a known source of pollutants entering the Lockwood Street storm sewer. A history of poor housekeeping has left the railroad siding and other land adjacent to the Atlas plant contaminated with oil and other pollutants.

A perforated pipe drains the siding area to an oil/water separator. The water fraction is discharged from the separator to the Lockwood Street storm sewer. Despite some improvements in site management over the past few months the quality of the effluent entering the storm sewer has not noticeably improved. The pH is consistantly higher than 10 and the effluent is very turbid,

Without further improvements in housekeeping at Atlas and the removal of the contaminated balast and soil the pollution is sure to continue. Our experience with this site is not encouraging. We do not believe that housekeeping can be improved at this location to the degree necessary to abate the pollution.

In light of this we feel that the effluent from the oil/water separator should be directed to the sanitary sewer line and the connection to the storm sewer permanently closed.

It was the Passaic Valley Sewerage Commissioners that originally motivated our actions concerning Atlas and so we are soliciting your opinion on the matter prior to proceeding.

Very truly yours,

Advin L. Zach, P.E., Director DEPARIMENT OF ENGINEERING

ALZ:thb encl. Part gir

849160180

16/81

DIRT PHAKING 민도, 일입, 사건 CCUTERLING 7 AVENUE LISTER PHICHERIS OF LEUPS BOACE ((STRECKIMES) CONSTRUCTORS)

849160182

Date:	May	15,	1972	

Plant Ref. No. 1750 457

WASTE EFFLUENT SURVEY

(For Industries Served by the Passaic Valley Sewerage Commissioners)

Plant Name:	Atlas Refinery, Inc.	
Address:	142 Lockwood Street, Newark, N. J.	Zip 07105
	n any further inquiries should be directed:	
	(201) 589-2002	
Number of Employees:	36	
Number of Working Day	s Per Weck:5.	
Number of Shifts Per Da	y:1	
Area of Property:	178 Acres, or	Sq. Ft.
,,	digit U.S. Standard Industrial Classification No ents, Finishing Agents, Sulfonated Oils	
Finished Product(s):	Oils for Leather, Textile and Paper Inc	dustry
Average Production:	12,000,000 Lbs/Year	
Raw Materials Used:	Animal, Vegetable, and Marine Oils,	Mineral Oils
Brief Description of Oper	ations: Refining of Animal Oils, Sulfation	and Sulfonation of
Animal, Vegetab	le, and Marine Oils; Compounded Oils;	Sulfation and Sulfonation
	Unsaturated Hydrocarbons.	
		••••••••••••

Purchased water in 1971 from: City of Newark 1st Quarter 777, 172 Gallons 2nd Quarter ____ 528,844 " 3rd Quarter 415, 140 " 4th Quarter 492, 184 " Total Purchased 1971: 2,210,340 Gallons Well Water 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter Total well water received in 1971: River Water 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter Total river water taken in in 1971: TOTAL OF ALL WATER RECEIVED IN 1971: ...2,210,340 Gallons Water Use in 1971: Water to Product (include evaporated and lost water): Approx. 500,000 Gallons Water to Sanitary Sewer: Approx. 1,700,000 Gallons Water to Storm Sewer, River or Ditch: TOTAL WATER USE IN 1971: 2,210,340 Gallons Name of River, Stream, or Tributary, and location of storm sewer or ditch outlet to river, stream, or tributary: 849160184

Water received in Gallons (Note: multiply cu. ft. x 7.48)

ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

(Note: Analyses should be based on a 24-hour composite sample)

Characteristics of Plant Waste discharged to sanitary or combined sewer, after treatment if any. Indicate units of measure where applicable (e.g. Mg/l).
a) pH:1.3 at 20°C b) Turbidity:140 JTU
c) Temperature: 80°F d) Radioactive? Yes No X
e) Solids Concentration:
1) Total Solids 74.06 gm/1 Volatile 7.35 gm/1 Mineral 66.71 gm/1
2) Suspended Solids104.mg/1 Volatile25.mg/1 Mineral79.mg/1
f) Oil and Grease Concentration:
1) Floatable Oils 27 mg/l
2) Emulsified Oils <1 mg/1 ND
g) Chlorides17_193.gm/1
h) Chemical Oxygen Demand (C.O.D.):3259.mg/1
i) 5-day Bio-chemical Oxygen Demand (B.O.D.): 72 mg/1
j) Total organic carbon (T.O.C.): 167.mg/1
k) Metallic Ions—Name and concentration (Important—list each metal in waste, e.g., chromium hex. and triv. Antimony, Lead, Mercury, Copper, Vanadium, Nickel; give concentration and total daily discharge of each metal.)
Copper 4438 micrograms/1 Iron 40250 micrograms/1
Lead 7175 " Sodium 11500 "
1) Toxic Material—Name and concentration e.g., cyanide salts, etc.): NA
m) Solvents—Name and concentration: NA
n) Resins—Name and concentration (Lacquers, Varnishes, Synthetics): NA
o) Date and time span of sample
Explain hours, method of discharge of waste to Sanitary Sewer and peak rate of flow, e.g., (continuing for 8 hours per day, 5 days per week at 100 gal./day rate) (batch twice a day for 20 minutes at 100 gal./min.) (Continuous 24 hours steady or with peaks at 2 P.M., peak rate 3 M.G.D.) etc. Water waste is discharged to sanitary sewer continuing for 8 hours daily.
5 days per week at a peak rate flow of 2000 gallons/ hour; between 7:30
and 8:30 AM.
849160185

Characteristics of Plant Discharge to Indicate units of measure where applicable (Ditch, after treatment if any.
a) pH:	. b) Turbidity:	
c) Temperature:	. d) Radioactive? Yes	No
e) Solids Concentration:		
1) Total Solids	Volatile	. Mineral
2) Suspended Solids	Volatile	. Mineral
f) Oil and Grease Concentration:		
1) Floatable Oils		
2) Emulsified Oils		
g) Chlorides		
h) Chemical Oxygen Demand (C.O.D.):		
i) 5-day Bio-chemical Oxygen Demand (B.O		
j) Total Organic Carbon (T.O.C.):	•	
k) Metallic Ions—Name and concentration (hex. and triv. Antimony, Lead, Mercury, total daily discharge of each metal.):	Important—list each met , Copper, Vanadium, Nic	al in waste, e.g., chromium kel; give concentration and
1) Toxic Material—Name and concentration (m) Solvents—Name and concentration:	e.g., cyanide salts, etc.):	
n) Resins—Name and concentration (Lacqu		
o) Date and time span of sample:		
Do you pretreat any waste before discharge?	·····	***************************************
If so, describe process and disposal of residue	removed:	
4		
Certification of Laboratory doing samp shall be those shown in the 13th edition of St Wastewater, where applicable. If no procedu and procedure used in analyses.	oling and making analyses andard Methods for the are is applicable, the labor	Examination of Water and ratory is to describe method
	Tern	of & Oiler
- अ <u>विक</u> ार ।		of person preparing report

CARMINE T. PERRAPATO

THOMAS J. CIFELLI

ROBERT J. DAVENPORT BEN W. GORDON JOSEPH M. KEEGAN CHARLES A. LAGOS COMMISSIONERS PASSAIC VALLEY SEWERAGE COMMISSIONERS

600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800

rs) 54

January 6, 1977

SEYMOUR A. LUBETKIN CHIEF ENGINEER

CHARLES C. CARELLA

MRS. CHARLES T. SCHAEDEL CLERK-THEASURER

Atlas Refinery, Inc. 142 Lockwood Street Newark, New Jersey 07105

Dear Sir:

In accordance with Federal regulations PVSC must develop data from those industries that discharge heavy metals to the sanitary sewer.

A review of the Waste Effluent Survey which you recently submitted to PVSC indicated that your industrial waste stream contained one or more heavy metals, such as chromium, nickel, lead etc.

Please check below the statements that accurately describe your operations or portions thereof and return the completed form within 10 working days.

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Frank P. D'Ascensio

Superintendent 11

The above company:

- [] Electroplates ferrous or nonferrous basis materials with common or precious metals; $\mathcal{N}_{\mathcal{O}}$
- [] Anodizes ferrous or nonferrous materials;
- [] Coats ferrous or nonferrous materials(chromating, phosphating etc.);
- Does not conduct electroplating operations. The heavy metals originate from the following operation or operations;

Heavy metal (lead) is coming from lead lined neutralization tanks. These

tanks are being replaced now, with fiberglass.

Date 1/10/77

Signature Polices

" april on and

136-2581

SUMMIT ROVINS & FELDESMAN 445 PARK AVENUE NEW YORK 10022

212-702-2200

WILLIAM A ALPER
JOSEPH D. ALPERIN
JOHN L. AMABILE
HOWARD BINDELGLASS
JEROME J. BORG
JOSEPH L. CANNELLA
ERWIN CHEROVSKY
JUSTIN W. D'ATRI
DAVID H. DIAMOND
MICHAEL J. DMATTIA
RALPH M. ENGEL.
GUY R. FAIRSTEIN
WALTER FELDESMAN
MORTIMER N. FELSINGER
STEPHEN R. FIELD
DAVID C. FISCHER
STANLEY GARRETT
HERBERT J. GOODFRIENDIRA G. GREENBERG
JEPOLD D. JACOBSON
HERBERT P. JACOBY
HAROLD I. KAHEN
ARTHUR L. KIMMELFIELD
HOWARD L. KLEIN

ASHER B LANS
BERNICE K. LEBER
FREDRIC C. LEFFLER
RICHARD A. LEVIN
SELIG J LEVITAN
JACK LEVY
MICHAEL S. LICHTENTHAL
JOSEPH E. LOW
RUBIN H. MARCUS
HERBERT L. ORTNER
SAMUEL F OTTENSOSER
JULIAN A. PERLIMA
ALLAN A. PINES
DAVID ROSENBERG
LEONARD ROVINS
JOEL M. RUDELL
STUART G. SCHWARTZ
MICHAEL G. SHANNON
ALAN SHAPIRO'
PATRICIA COSTELLO SLOVAK
RICHARD I. SOLOMON
EVAN J. SPELFOGEL
WYNNE B. STERN, JR.
STUART A. SUMMIT
RICHARD A. WILSKER

MONRIS J. FELLNER
THOMAS D. HALKET
NORMAN A. HOWARD
MELVIN D. KRAFT, P. C.
MICHAEL A. LACHER
HERBERT ROBINSON
LAWRENCEM. ROSENSTOCK
HOWARD SHELDON
COUNSEL

September 15, 1987

TELECOPIER 212-702-2295 212-702-2290

MARION BACHRACH RONALD E. DEPETRIS MILTON B. EULAU MORRIS J. FELLNER

CABLE: BURNLEX TELEX: 14-8376

WRITER'S DIRECT DIAL NUMBER

(212) 702-2401

MEMBER OF A PROFESSIONAL CORPORATION

BY HAND

Charles E. Hoffmann, Esq.
Office of the Regional Counsel
U.S. Environmental Protection Agency
Region II
26 Federal Plaza - Room 437, 4th Floor
New York, New York 10278

Re: <u>Automatic Electro-Plating Corp.</u>

Pear Mr. Bolimann:

In connection with the Consent Degree currently being processed, and which was signed by Mr. Gerald Borriello - President of the Company, on April 15, 1987, for the settlement of the action now pending in United States District Court for the District of New Jersey, entitled <u>United States of America v. Automatic Electro-Plating Corp.</u> (Civil Action 86-0920), I enclose:

 Copy of letter dated September 8, 1987 which I received from the company;

Copies of the reports of Analytical Testing Laboratories with respect to its testing of samples taken on August 3, 4, 5 and 6, 1987; and

Schedule showing the daily water meter readings for the month of August 1987, signed by Gerald Borriello.



SUMMIT ROVINS & FELDESMAN

Charles E. Hoffmann, Esq. September 15, 1987
Page Two

You will note that the company's letter also contains the information called for by paragraph V of the Consent Decree.

Sincerely,

Mortimer N. Felsinger

MNF:con Enclosures

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Cc: Chief, Water Permits and Compliance Branch
U.S. Environmental Protection Agency, Region II
Chief, Industrial Pretreatment Section
New Jersey Department of Environmental Protection
Chief, Industrial Waste Division
Passaic Valley Sewerage Commissioners
Mr. Gerald Borriello
Automatic Electro-Plating Corp.
Allan A. Pines, Esq.





185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105
TELEPHONES: (201) 589-0344 & 589-0345

September 8, 1967

Mortimer N. Felsinger, Esq. Summit Rovins & Feldesman 445 Park Avenue New York, NY 10022

United States of America v.
Automatic Electro-Plating Corp.
Civil Action No. 86-0920
U.S. District Court for the
District of New Jersey

Dear Mr. Felsinger:

I enclose reports of our testing company, Analytical Testing Laboratories, of its analyses of samples of cyanide (amenable), lead, cadmium and pH, taken on August 3, 4, 5 and 6, 1987 in accordance with the provisions of paragraph IV of the Consent Decree now being entered into in settlement of the above action, which I signed on April 15, 1987.

Please be advised also of the following enswers to Items A through D of paragraph V of the Consent Decree:

A. The results of the sampling are set forth in the enclosed report of Analytical Testing Laboratories. The sampling method was as set forth in the Monthly Sampling and Monitoring Schedule specified in paragraph IV of the Consent Decree. The samples were taken from the point in our production system just prior to entry of the pollutants into the sewer system.

B. Enclosed is a copy of our daily water meter readings for the month of August 1987.

11, 1987 Aas set forth in the laboratory analyses which accompanied my letter of April 21st.



185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105 TELEPHONES: (201) 589-0344 & 589-0345

Mortimer N. Felsinger September 8, 1987 Page Two

D. There have been no modification to our production system, or our volume or rate of production; or our maintenance procedures or our pre-treatment practices.

I understand that you will be submitting this letter and the enclosed documentation to the parties named in the Consent Decree.

Yours very truly.

Gerald Borriello

President

GB/mg





185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105 TELEPHONES: (201) 589-0344 & 589-0345

DAILY WATER METER READINGS

AUGUST .---- 1987

DATE	(Cubic Feet) METER READINGS	TOTAL CONSUMPTION
7-31-87 8-01-87 8-03-87 8-04-87 8-05-87 8-06-87 8-07-87 8-08-87	2036631 2036752 2036821 2036932 2037038 2037153 2037268 2037355 2037481	9,051 Gals. 5,161 " 8,302 " 7,929 " 8,602 " 8,602 " 6,508 "
8-11-87 8-12-87 8-13-87 8-13-87 8-14-87 8-15-87 8-17-87 8-19-87 8-20-87 8-21-87 8-22-87 8-24-87 8-25-87 8-27-87 8-28-87	2037611 2037719 2037850 2037974 2038102 2038218 2038324 2038447 2038578 2038698 2038804 2038920 2039044 2039163 2039256 2039383	9.724 " 8.728 " 9.729 " 9.725 " 9.575 " 8.675 " 9.675 " 8.9675 " 8.9675 " 8.9675 " 8.9675 " 8.9675 " 8.999 "
8-29-87 8-31-87	2039510 2039615	9,500 " 7,854 "



GERALD BORRIELLO -- President

840 Colfax Avenue . Kenilworth, NJ 07033 . 201-241-5040

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ **07105**

Att: Mr. Gerry Borriella

Newark NJ 07105

Code No: 2191 Customer No: 42 Date Received: 8/4/87

Type Of Sample: Wastewater Sample I.D.: 8/3/87

COMPONENT

ANALYSIS

pH Total Cyanide Amenable Cyanide Cadmium Lead 7.17 (0.020PPM (0.020PPM (0.005PPM (0.1PPM

REMARKS:



Dr. Michael Banhidi Technical Director

ANALYTI<mark>CAL</mark> TESTI**NG** LABORATORIES

840 Colfax Avenue . Kenilworth, NJ 07033 . 201-241-5040

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ **07105**

Code No: 2192 Customer No: 42 Date Received: 8/4/87

Att: Mr. Gerry Borriello

Type Df Sample: Wastewater Sample I.D.: 8/4/87 9:00 A.M.

COMPONENT

ANALYSIS

Total Cyanide Amenable Cyanide (0.020PPM (0.020PPM

REMARKS:



Dr. Michael Banhidi Technical Director

840 Colfax Avenue . Kenilworth, NJ 07033 . 201-241-5040

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ **0710**5 Code No: 2200 Customer No: 42 Date Received: 8/6/87

Att: Mr. Gerry Borriello

Type Of Sample: Wastewater Sample I.D.: 8/4/87

COMPONENT

ANALYSIS

PH Cadmium Lead 6.79 (0.005PPM (0.1PPM

REMARKS:



Dr. Michael BanhidiTechnical Director

840 Colfax Avenue . Kenilworth, NJ 07033 . 201-241-5040

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ 07105 Code No: 2201
Customer No: 42
Date Received: 8/6/87

Att: Mr. Gerry Borriello

Type Of Sample: Wastewater Sample I.D.: 8/5/87

COMPONENT

ANALYSIS

pH Total Cyanide Amenable Cyanide Lead Cadmium 6.86 (0.020PPM (0.020PPM (0.1PPM (0.005PPM

REMARKS:



Dr. Michael Banhidi Technical Director

840 Colfax Avenue . Kenilworth, NJ 07033 . 291-241-5648

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ **07105**

Att: Mr. Berry Borriello

Code Nos 2292 Customer Nos 42 Date Receiveds 8/8/87

Type Of Samples Mastewater Sample J.D.: 8/8/87

COMPONENT

ANALYSIS

pH Total Cyanide Amenable Cyanide Lead Cadmium

6.88 (0.828PPN (0.828PPN (0.1PPM (0.805PPN

REMARKS:



Dr. Michael Banhidi Technical Director

130-4656

CONSULTANT CHEMIST MICHAEL M. REVAITIS 71 Richmond Terrace

Rahway, New Jersey 07065

LABORATORY ANALYSIS REPORT (GENERAL)

LAB ID			ANALYSIS	PERFOR	MED B	Y	MR
DATE	2-19-85		SAMPLED	BY	STAF	F	
SAMPLING	METHOD	COMPOSITE					
SAMPLING	LOCATION	AUTOMATIC ELECTROPLATING					
		185 Foundry St., Newark,	NJ				

METHODS USED

All analyses were performed in accordance with the latest edition of "Methods for Chemical Analysis of Water and Wastes", U.S.E.P.A., or as noted.

CLIENT ID	<u>Cr (mg/1)</u>	<u>Zn (mg/1)</u>	Ni (mg/1)
Bldg. 21 1-23-85	52.6	2.7	6.2
Bldg. 22 1-23-85	8.8	375.0	.15
Bldg 21 2-8-85	26.7	39.5	12.5
Bldg. 22 2-8-85	6.2	295.0	.1
Bldg. 21 2-14-85	19.9	20.5	1.5
Bldg. 22 2-14-85	7.7	610.0	1.4

Michael M. Revaitis Chief Chemist

> 19202122 1111 1985 121 111 111 111

File

Date:

12/28/82

Company:

Automatic Electro Plating, Vework

Co. Representative:

Jerry Boriello, Plt. Mgr.

Ind. Insp:

Austin Dondero

Purpose:

High pH problem at Bldg #22 sampling point.

Summary

1. Due to their erratic pH problem they are going to convert their zinc plating solution to a zinc cloride bath which will eliminate the use of Sodium Cyanide and will possibly lower their pH.

- 2. They will monitor their pH more closely.
- 3. They will have their conversion plan installed by March 1983.
- 4. Will write a letter to PVSC in care of Mario Graglia to explain their conversion plan, more in detail.
- 5. Suggest a follow up after in March.

Austin Dondero

AD/kj

131-1081

840 Colfax Avenue . Kenilworth, NJ 07033 . 201-241-5040

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ 07105

Att: Mr. Gerry Borriello

Code Not 7875
Customer Not A-042
Date Received: 11/07/89
Date Sent: 11/13/89
Sample Type: Wastewater
Sample 1.D.: 11/7/89

in may be

COMPONENT

ANALYBIS

pH BOD (5 days) TSS 7.30 94.2 ppm 5 426.0 ppm

ppm=mg/L

REMARKS:

Dr. Michael Banhidi Technical Director

පැර Colfax Avenue . Kenilworth, NJ 07033 . 201-241-5040

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ 07105

Att: Mr. Gerry Borriello

Code No: 7209
Customer No: A-042
Date Received: 08/31/89
Date Sent: 09/07/89
Sample Type: Wastewater
Sample I.D.: 8/31/89

COMPONENT

ANALYBIB

pH BOD (5 days) TSS 9.49 33.7 ppm 66.5 ppm

ppm=mg/L

L OCT 1000

REMARKS:

Dr. Michael Banhidi Technical Director

840 Colfax Avenue . Kenilworth, NJ 07033 . 201-241-5040

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ 07105

Att: Mr. Gerry Borriello

Code No: 6355
Customer No: A-042
Date Received: 05/31/89
Date Sent: 06/06/89
Sample Types Mastewater
Bample I.D.: 5/31/89

COMPONENT

ANALYSIS

pH BOD (5 days) TSS 6.36 44.8 ppm 155.0 ppm

ppm=mg/L

REMARKS:

27 JUL 1989 101112 13 18 1989

Dr. Michael Banhidi Technical Director

840 Colfax Avenue . Kenilworth, NJ 07033 . 201-241-5040

NJDEPA CERTIFIED WASTEWATER LABORATORY ID NUMBER 20477

Automatic Electroplating 185 Foundry Street Newark NJ 07105

Att: Mr. Gerry Borriello

Code Not 5730
Customer Not A-042
Date Received: 03/28/89
Date Sent: 04/06/89
Sample Type: Wastewater

COMPONENT

ANALYSIS

pH BOD (5 days) TSS 6.37 47.4 ppm 140 ppm

ppm=mg/L

REMARKS:



Dr. Michael Banhidi Technical Director



185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105 TELEPHONES: (201) 589-0344 & 589-0345

February 1, 1980

UNANIMOUS CONSENT OF THE BOARD OF DIRECTORS OF AUTOMATIC ELECTRO-PLATING CORP., IN LIEU OF SFECIAL MEETINGS OF DIRECTORS.

The undersigned, being all the directors of AUTOMATIC ELECTRO-PLATING CORP., a corporation of the State of New Jersey, do hereby take the following action:

Granting me the authority to sign the Sewer Connection Application on behalf of the corporation.

BY Gerald Borriello-Secretary/Treasurer

ACCEPTED

FRANK BORRIELLO-President

GERALD BORRIELLO-Secretary/Treasurer

THEODORE H. MAZMGREN

Assistant Secretary/Treasurer

NAME	Automatic El	ectro-Pla	ting Corp.										. 020
Address_	185 Found	ry Street	,					2040-1122	43	900-	-0201		84916020
	Newark. NJ 07105							· · · ·	PERMIT N	UMBE	R		84
FACILITY	LOCATION	Buj	lding #22	-		•							
								MONI	TORING P	ERIO)		
For Repor	rting Period Flow (Gal/Day)	7,59	2 9025	/n3 y		FROM	2: DAT		ÝS YEAR	то	14 DATE	<u>,2</u>	3'5" YEAR
	one day Flow (G	1								, , ,	FREQ.	SA	MPLE
PARAMETER & NUMBER		<u> </u>	TITY OR LOAD			ALITY OR CONCENTRATION OF				OF	3	YPE	
C'HROME	SAMPLE	AVERAGE	MAXIMUM	UNITS	MINIMUM 6.2	AVERAC		8.8	UNITS MG/L	N	3		HARSITE
CHROME	PERMIT REQUIREMENT				6.2	<i></i>	<u>S</u>	<u> </u>	4317 2				<u> </u>
Zinc	SAMPLE MEASUREMENT PERMIT				295.0	426	.6	610.0	Inc./L	-	3	<u>Co</u>	MPCITE
	REQUIREMENT SAMPLE								40/1	<u> </u>			
NICEEL.	NEASUREMENT PERMIT				-	.55	5	1.4	190-/1	-	3_	Co	11/20517
	REQUIREMENT SAMPLE MEASUREMENT									-			
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT									<u> </u>		_	
	PERMIT REQUIREMENT SAMPLE			-					-	_		_	
	MEASUREMENT PERMIT									-		-	
,	REQUIREMENT	<u> </u>		<u></u>		Gerald	Во	rriello-	1	<u> </u>		2/10	100
actions	rse side tó exp being taken to treatment stand	plain SIGNA'	TURE OF PRIN	CIPAL ORIZED AGE	ENT	P	res.	ident	(201)		-	3/18, זיגנו	

PVSC FORD MR-1 Rev. 11784

WE DO NOT USE ANY CHAMINING, LEAD, OR (YPRIDE. SEE OUR LETTER PATED JANUARY DU-PETRINING TO OUR PETICNS FOR PRETRENTAGENT.



130-4658

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NAME Automatic Electro-Plating Corp.		, 50 , 70 ,
ADDRESS 185 Foundry Street		2040-112143900-0201
Newark, New Jersey 07105		PERMIT NUMBER
FACILITY LOCATION Building #21		
		MONITORING PERIOD
For Reporting Period Average Flow (Gal/Day) 14,645 aprs/014	FROM	23 / 85 TO 14 2 85

	one day Flow (C	1			T					1	
PARAMETER & NUMBER		מאמעס	rity OR Load:	ING	ZUVICI V	TY OR CO	NCENT	ration		FREQ. OF	SAMPLE TYPE
		AVERAGE	MUMIXAM	UNITS	MUMINIM	AVERAG	E	MAXIMUM	UNITS	ANALYSIS	
CHROME	SAMPLE MEASUREMENT				19.9	33.0	,	52.6	moli	3	Commente
	PERMIT REQUIREMENT										
コルム	SAMPLE MEASUREMENT				2.7	20.9	,	39.5	MG/L	.3	Composite
	PERMIT REQUIREMENT										
NICKEL	SAMPLE MEASUREMENT				1.5	6.7	,	12.5	mall	3	COMPUSITE
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT								-		

Use reverse side to explain actions being taken to meet pretreatment standards

SIGNATURE OF PRINCIPAL EXECUTIVE OR AUTHORIZED AGENT

Gerald Borriello-

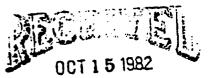
(201)589-0344 TELEPHONE NO. 3-18-85

PVSC FORM MR-1 Rev. 11/84

WE DO NOT USE ANY CADMINA, LEAD ON CYANIDE SEE OUR LETTER DATED JANUARY DISS PERTAINS
TO OUR PACTICUS FOR PRETREATMENT COMPLIANCE

185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105 TELEPHONES: (201) 589-0344 & 589-0345

October 11, 1982



State of New Jersey

Beet, Environmental Pretection
Division Water Resources

State of New Jersey
Department of Environmental Protection
Division of Water Resources
P.O. Box CN 029
Trenton, NJ 08625

Dear Mr. Goldstein:

In reference to your letter of September 20, 1982, we submit the following information to complete our baseline report.

- 1. Refer to our letter of January 7, 1981 for the nature and concentration of pollutants. (A copy is enclosed). This should answer question #5 of your letter.
- 2. As far as a compliance schedule for additional pretreatment, we are currently experimenting with new non-toxic products that are being offered to the industry such as cyanide free-plating solutions and chromium free passivates to reduce our discharge of chromium. These new products will determine how much pre-treatment will be necessary to meet the January-1984 compliance date.

Automatic Electro-Plating has in the last 2 years spent over \$50,000.00 to modify our existing equipment to enable us to try these new processes. We have lined our plating tanks with P.V.C. coatings, changed our heat exchangers and Automatic had engineering studies done for pre-treatment and the system recomended was a destruct system, with this system we would have to contend with sludge problems with these new non-toxic products we are trying to cut the cost's of the equipment needed to be in compliance.

Within the next six months we should have completed the necessary changes in our plant to the non toxic plating baths and have a new study made to be in compliance by January 28, 1984.

Frank Borriello

President

Attachment I - Status Compliance

Facility None AUTOMATIC	ELECTRO- PLATING CORP
Facility Mailing Address	- FOUNDRY ST 13106.21
NE	WARK, NJ 07105
Facility Location	1 ACUNDAY ST 1 ACK, NJ. 07105
NEU	IACK, NJ. 07105
consistent basis?	standards being met at your facility on a
	YES NO
I am committed to participating in by R. Schlossel.	the Heavy Metal Recovery Project as described
	YES Or NO
your facility into compliance. This sched of pretreatment, institution of new oper	ems above, please provide a schedule for bringing dule shall indicate milestones such as installation ating and maintenance procedures, debugging of mitted one and your facility is still on schedule,
GERALD BORRIELLO Name (Please Print)	M. Smelo
Name (Please Print)	Signature
PRESIDENT	599-0344 Telephone Number
Title	Telephone Number
Si	ario J. Graglia upervisor of Monitoring and Surveillance consider Valley Sewerage Commissioners

600 Wilson Avenue Newark, NJ 07105



ATTACHMENT III - METAL FINISHING DETERMINATION

Faci	lity Nome AUTOMATI	c ELEC	TRO PLATING CURP.
Faci	lity Mailing Address	5 400	NORY ST Bldg 21
•	N	EWARK,	VJ. 07/05
Faci	lity Location	85 Foo	INDRY ST
	***************************************	NEWAR	CK, NJ 07/05
1.	Does your facility own at lea following:	st 50% of t	ne materials which undergo any of the
	Electroplating	YES	or X
	Anodizing	YES	or X
	Coating	YES	or X
	Chemical Etching & Milling	YES	or $\frac{X}{NO}$ and or,
	Electroless Plating	YES	or X
2.	Does your facility manufacture	printed circ	uit boards (Please Circle):
	a. As a final product for sale;		
	b. For use by your company in	a final produ	ct; or
(c. Not at all.		
3. If	you answered Yes to Question a	#I, what is y	our firm's final product?
6	ERALD BORRIELLO		M. Sowello
Name	(Please Print)		Signature
	PRESIDENT		589-0344
Titl	e		Telephone Number
Pleas	se return this form to:		of Monitoring and Surveillance Illey Sewerage Commissioners Avenue

7.-terestic Clictre, plating 2040/121 - 6.867 2040/122 - 3.734

PVSC EVALUATION OF INDUSTRIAL BASELINE REPORT

The items evaluated below correspond to Section 403.12b of the General Pretratment Regulations (40 CFR 403).

1.	<u>ltem</u> Firm's name and address	Complete/ Accurate	Incomplete/ Inaccurate	<u>Comments</u>
2.	Firm's location	_X_		
3.	Production information (nature, average rate of production, SIC Code)	_X_		
4.	Average and maxinum flow data		λ	mitha of determent
5.	Nature of concentration of regulated pollutants		<u>X</u>	Lad samb pot ome
6.	Identification of correct category	***************************************	X	net quen
7.	Certified statement of firm ¹ s authorized representative	<u>×</u>		
8.	Compliance schedule	<u>\lambda</u>		
RE	VIEWED BY: Sola	DATE	Ξ :	1-24-83

SIC 3471





185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105 TELEPHONES: (201) 589-0344 & 589-0345 ISE 8 NAL

January 7, 1981

Sigle of New Jorsey
Sigle of New Jorsey
Protection
Pept. Erivironmental Resources
Blvision Water

315

State of New Jersey
Dept. of Evironmental Protection
Division of Water Resources
P.O. Box CN-029
Trenton, NJ 08625

Dear Sir:

Enclosed is a copy of our Base Line Report as requested in your letter dated Nov. 18, 1980.

BASE LINE REPORT

NAME: Automatic Electro-Plating Corp.

ADDRESS: 185 Foundry Street, Newark, NJ 07105

LOCATION: Building #21

NATURE: Metal Finishing

AVERAGE RATE

OF PRODUCTION: 25,000 Lbs. per day approx.

SIC NO.: 3471

FLOW RATE: 30,000 gals. day average.

CONCENTRATION OF POLLUTANTS:

	,		<u>AVERAGE</u>
TOTAL CYANIDE	, -		6.0 mg/l
CHROMIUM	•		19.0 mg/l
NICKEL		 ,	.5 mg/l
ZINC		•	34.8 mg/l

Above metal valves represent samples taken by Elson Killam Associates on 6-3-80 and the total cyanide by A.T. Marinaro Associates on 3-1-79. Additional pre-treatment will be necessary to bring these pollutants into compliance.

AUTOMATIC AUTOMATIC ELECTRO - PLATING CORP.

185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105 TELEPHONES: (201) 589-0344 & 589-0345

COMPLIANCE SCHEDULE

PHASE 1.	We have received quotations from R.M.B. Corp., and D.M.P. Corporation for a destruct system to bring us into compliance. However, since these types of systems present a problem with hazardous waste we are now exploring a closed loops recovery process.	of completi
2.	Investigate & Develop pre-treatment alternatives	4 months
3.	Internal Review	2 months
4.	Contract for Equipment	4 months
5•	Commence construction and inplant changes	2 months
6.	Complete construction	6 months
7.	Obtain operational status	2 months

Yours very truly,

Frank Borriello

President

MEMORANDUM

TO:

ANDREW CALTAGIRONE

FROM:

WILLIAM F. CIFELLI

DATE:

AUGUST 17,1994

SUBJECT:

LEAD VIOLATIONS

CAT: 413 OVER 0.6

Newark

COMPANY NAME	<u>ID#</u>	<u>WO#</u>	SAMPLE	DATE	ESULTS DATE	<u>LIMITS</u>
AUTOMATIC ELECTRO.	20401121	88480	7-26-94	8-08-94	0.84	OVER .6
AUTOMATIC ELECTRO.	20401121	88493	7-27-94	8-08-94	1.16	OVER .6
AUTOMATIC ELECTRO.	20401121	88505	7-28-94	8-08-94	2.24	OVER .6
AUTOMATIC ELECTRO.	20401121	88517	7-29-94	8-08-94	1.94	OVER .6

MEMO:

TO:

ANDREW CALTAGIRONE

FROM:

WILLIAM F. CIFELLI

DATE:

FEBRUARY 06, 1995

SUBJECT:

ZINC RESULTS (INFORMATION ONLY)

CAT: LOCAL LIMITS OVER 1.67

COMPANY NAME	<u>1D#</u>	<u>WO#</u>	SAMPLE DATE	DATE COMP.	RESULTS	<u>LIMITS</u>
AUTOMATIV ELECTRO.	20401121	02307	1-11-95	2-03-95	197.25	OVER 1.67
AUTOMATIV ELECTRO.	20401121	02330	1-13-95	2-03-95	32.81	OVER 1.67

INFORMATION ONLY

MEMO:

TO:

ANDREW CALTAGIRONE

FROM:

WILLIAM F. CIFELLI

DATE:

FEBRUARY 14, 1995

SUBJECT:

ZINC RESULTS (INFORMATION ONLY)

CAT: LOCAL LIMITS **OVER 1.67**

COMPANY

ID#

WO#

SAMPLE

DATE

DATE COMP.

RESULTS **LIMITS**

NAME

AUTOMATIV ELECTRO. 20401121

02325

1-12-95 2-10-95

262.0

OVER 1.67

INFORMATION ONLY

MEMORANDIUM

TO: ANDREW CALTAGIRONE

FROM:

WILLIAM F. CIFELLI

DATE: OCTOBER 07, 1994

SUBJECT: PH RESULTS

CAT. UNDER 5.0 OVER 10.5

COMPANY NAME	<u>1D #</u>	<u>WO#</u>	SAMPLE DATE	DATE COMP.	RESULTS	<u>LIMITS</u>
B-LINE TRUCKING	20403500	89700	9-21-94	9-21-94	11.5	OVER 10.5

NOT FOR ENFORCEMENT PURPOSES

File-Grant Nework

DATE OF VISIT

JUNE 5, 1987

PURPOSE

TOXIC ODOR COMPLAINT

SUMMARY

Inspector August responded to a complaint, by the EPA, of a toxic odor emitted from the vicinity of B-Line Trucking on Esther Street. Mr. Bryant referred to his rinse log, which is a record of all product exchanges made that day. At approximately 1:30, glacial acetic acid was drained off, the tank was rinsed, and refilled with phenol. Mr. Bryant agreed that the process is odoriferous, but un-avoidable. Mario Graglia and myself will follow-up on the incidence and prevalince of this complaint.

Sarah Ann August

Inspector 1

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	DAY	led.	FOR The	WA	· ·
	LAST		NEXT	CLEANED	DISPI
ANK	PRODUCT	• 1	PRODUCT	Зу	TIN
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4404	AZA		AZA	•	*. !!.
4405	O.LS.		in shio		
6501	FPOI	•	at Bash	• * * • * • • • • • • • • • • • • • • •	•
6502	neodia		at Property		
6503	fatt, acco	V.	ZEH		630
6504	6.8	/ : ·	DOP.		635
6505	palateral		at Bank		
6506	FF21		16 Prist		275
6507	plast	X	GLICIAL		6.30
6508	Cln comp	•	louded		
6509 .	acetic	V	louled !	MENOL	
6510	alcohol.		13.11		
6511	alkalate		ALKALATI		
6601	fatty acid	V	SHU STYLL		500
6701	resin		•	•	,
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MEMORANDUM

TO:

Mario Graglia

FROM:

Laura Ditchkus

DATE:

November 2, 1988

SUBJECT:

High Petroleum Hydrocarbons Results

The following company had high Petroleum Hydrocarbons results.

Company Name	LD#	<u>₩.O. #</u>	Sample Date	Date Completed	Results
B-Line	20403500	139910	09/ \$ 8/88	10/27/88	PHD 3910.11

ld



111-64901

Bulk Liquid Hauling

67 ESTHER STREET, NEWARK N.J. 07105 TELEPHONE (201) 589-7700 FAX (201) 589-5374

December 9, 1988

Mr. Anthony Gammaro
Passaic Valley Sewer Commissioner
600 Wilson Avenue
Newark, New Jersey 07105

Dear Mr. Gammaro:

Enclosed please find the results for oil/grease mg/ 1 for B-Line Trucking, Inc. As per Passaic Valley Sewer Commissioner prior instructions dated 11/16/88, 11/23/88 and 11/29/88.

As I stated in my last letter to you, B-Line does not handle any Petroleum products nor oil or greases.

Any futher questions please don't hesitate to give me a call.

Sincerely,

B-LINE TRUCKING, INC.

Lewis Bryant President

LB/gr

GARDEN STATE LABORATORIES, INC.

Bacteriological and Chemical Testing 410 Hillside Avenue Hillside, NJ 07205

> Telephone (201) 688-8900 Fax (201) 688-8966

MATHEW KLEIN, M.S., Director HARVEY KLEIN, M.S., Lab Supervisor

> B-Line Trucking 67 Esther Street Newark, NJ 07105

Samples Submitted: Wed. November 23, 1988

Water Samples	Results are in mg/l.
	0il/Grease
11-16-88	20.4
11-23-88	18.1



410 HILLSIDE AVENUE

GARDEN STATE LABORATORIES, INC. — REPORT OF ANALYSIS

HILLSIDE, N.J. 07205 PHONE: (201) 688-8900	BACTERIOLOGICAL and CHEMICAL ANALYSIS				
FAX: (201) 688-8966	NJDEP LAB *07044		REPORT 81129049		
SAMPLE TYPE: Wa SAMPLE ID:	iter Sample		CLIENT* DATE SUBMITTED:Tues.11/29/88		
SAMPLE LOCATION: @T DATE SAMPLED:	ruck Wash Station TIME SAMPLED:	RESULTS		RESULTS	
	STANDARD PLATE COUNT PER ML				
	TOTAL COLIFORM COUNT PER 100 ML.		Oil/Grease mg/l	30.0	
	FECAL COLIFORM COUNT PER 100 ML				
	pH, STANDARD UNITS			<u> </u>	
67 Es	e Trucking ther Street k, NJ 07105	☐ CONFORMS TO STATE AND USEP A STANDARDS FOR SANITARY QUALITY AND POTABILITY. ☐ UNSATISFACTORY			
		UNLESS NOTED COLIFORM FILTER METHOD. <= LESS THAN, NOT DETI	M COUNTS ARE PERFORMED BY THE	HE MEMBRANE	
		Z - LEGO HAMA, MOT DE H	LUILU.		



Bulk Liquid Hauling

67 ESTHER STREET, NEWARK N.J. 07105 TELEPHONE (201) 589-7700 FAX (201) 589-5374

June 8, 1989

Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, NJ 07105

> Permit No. 20403500 Violation Date 5/16/89 Section Violated 312.1 (B)

Attn: Carmine Perrapato Executive Director

Dear Mr. Perrapato,

In response to your letter dated June 1, 1989, I have no reason as to why the PH meter was out of calibration on May 8, 1989. During that period we have taken some grab samples and found the PH to be 7. Since May 8, 1989 we have not had any other problems with the meter.

Also, enclosed please find copies of a blue print for Waste Seperation Unit for Oil and Solids Removal. At this time we are trying to find financing for this and other improvements that are needed with an estimated date of completion by December 1989.

I am aware of our responsibility to keep our PH meter in compliance with all PVSC rules and regulations. I did attend the Waste Minimization Conference sponsered by N.J.D.E.P. and found it very helpful and I thank you for encouraging me to attend.

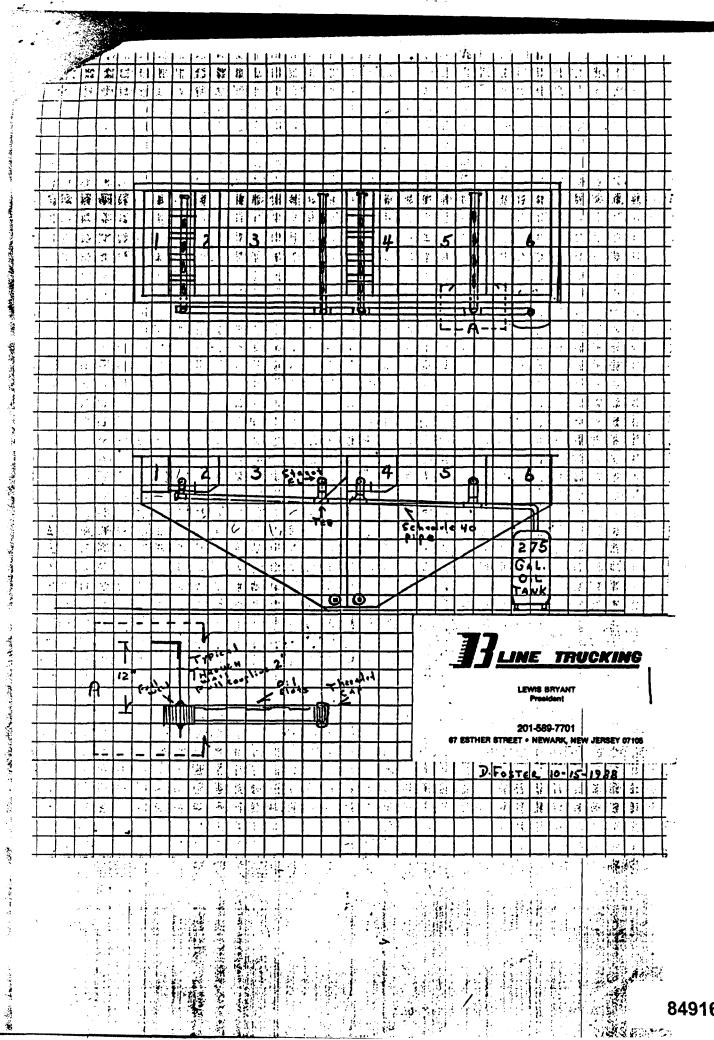
Very truly yours,

B-LINE TRUCKING INC.

Lewis C. Bryant President

LCB/gr

849160226



LINE TRUCKING INC.

Bulk Liquid Hauling

67 ESTHER STREET, NEWARK N.J. 07105 TELEPHONE (201) 589-7700 FAX (201) 589-5374

March 10, 1989

Herman H

Mr. C. T. Perrapato
Passaic Valley Sewerage Commissioners
600 Willson Avenue
Newark, New Jersey 07105

RE: Notice of Violation
Permit #20403500

'Violation date 1/17/89
Sec. Violation - 312.1 (B)

Dear Mr. Perrapato:

I am in receipt of your letters dated February 9, 1989 and February 24, 1989 both regarding pre-treatment. First, I must apologize for the delay in responding to your letters, as I was in an accident and hospitalized since January 16, 1989.

As far as violation 312.1 (B), 314.1 and 317.3 are concerned we will be installing a P.H. Indicator Controller model #IC75, as part of our new system. Before we can install a new system we have contacted our bank to arrange for financing and have contacted some companies and we are awaiting their bids on such work. Since we already have a P.H. Recorder we will be able to add pumps and products to control the P.H. and keep us in compliance.

Very truly yours,

B-LINE TRUCKING INC.

SL

COMM. FD

Lewis C. Bryant

President

NAR 1989

SEC.

MAR 1989

Director's
Office

Office

SEC.

849160229

DATE OF VISIT

May 16, 1989

COMPANY NAME

B-Line of Newark

COMPANY REP

Mr. Bryant

PVSC REP

T. Russo

PURPOSE

pH Compliance

SUMMARY

On May 16, 1989 B-Line of Newark was visited for a pH Compliance review, the tape reviewed was dated 4-25-89 to 5-16-89.

Date	Below 5	Above 10.5
5 - 8 - 8 9	1 hr. cont.	
5-8-89	1 hr. cont.	2 hr. continuous
5-9-89 - pH was out Bryant claims there was		om 3 a.m. to 8 a.m. Mr. ing 3 a.m. to 6 a.m.
5-10-89	3 hr. cont.	

When the pH meter was compared to the pH grab, it did not match pH meter below 2, pH grab 7, the appropriate violations should be sent to B-Line of Newark.

T. Russo

TR/dr

1150 3

Bulk Liquid Hauling

67 ESTHER STREET, NEWARK N.J. 07105

TELEPHONE (201) 589-7700 FAX (201) 589-5374 18 19 20 21

May 16, 1989

Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, NJ 07105

Attn: Mario Graglia

Dear Mr. Graglia,

Please accept our apology for not informing you earlier of our problem with our P.H. recorder.

Enclosed please find a copy of the chart indicating a problem at 3 AM on May 10, 1989. This problem occured at a time when we were not using the sewer. This seems to happen when we have a lot of rain because we seem to get a lot of false readings. We still are taking daily grab samples.

This problem was brought to my attention today when we changed the chart.

In the future, we will try to stay on top of this problem with better observation with our people that are using the wash system.

Very truly yours,

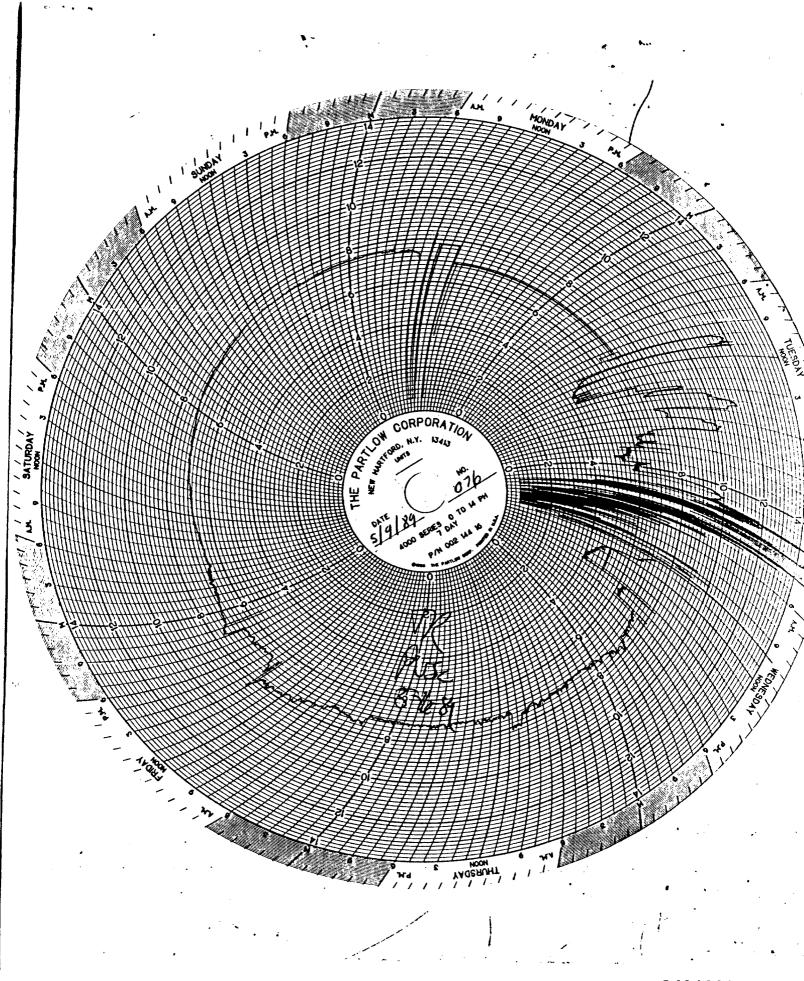
B-LINE) TRUCKING INC.

Lewis C. Bryant

President

LCB/gr

enclosure





Bulk Liquid Hauling

67 ESTHER STREET, NEWARK N.J. 07105

TELEPHONE (201) 589-7700 FAX (201) 589-5374 (3) 19 20 21 20

May 16, 1989

Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, NJ 07105

Attn: Mario Graglia

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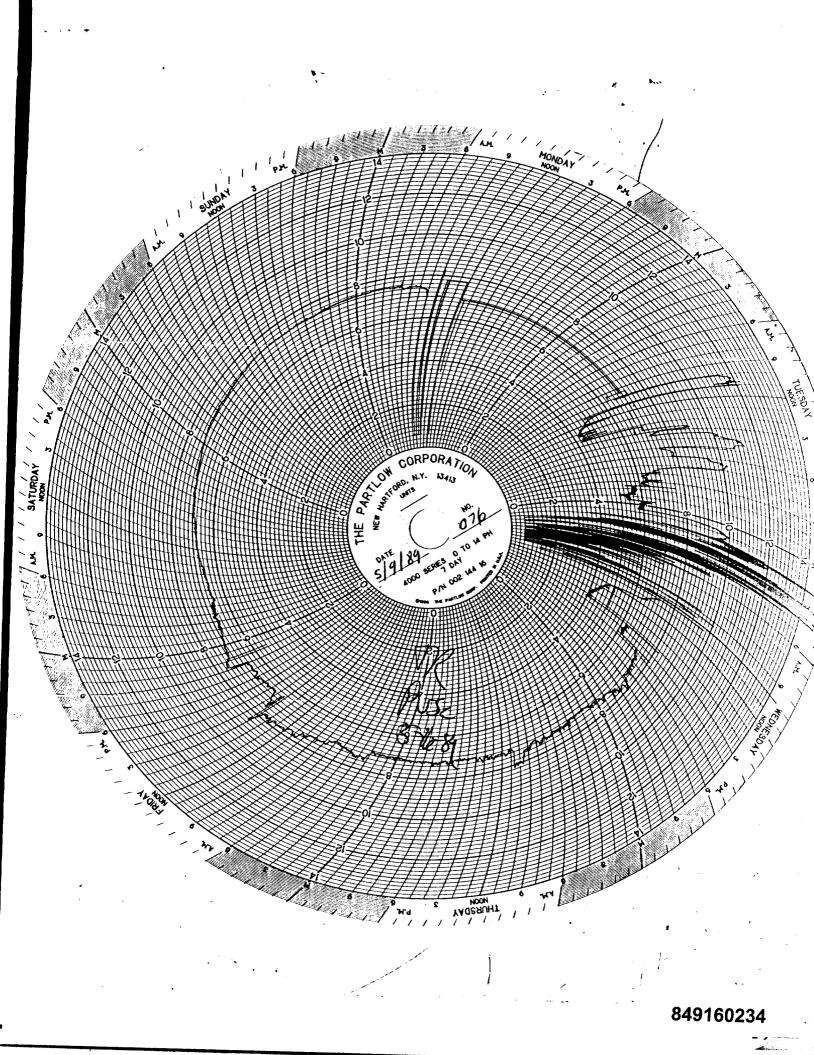
B-LINE) TRUCKING INC.

Lewis C. Bryant

President

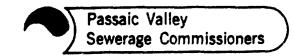
LCB/gr

enclosure



CHARLES A LAGOS
CHAIRMAN
VINCEL T CORRADO, SR
VICE HAIRMAN
ROBERT M BURKE, JR
THOMAS J CIFELLI
KENNETH W HAYDEN
RAYMOND LUCHKO

DONALD TUCKER
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 EXECUTIVE DIRECTOR

ROBERT J DAVENPORT
DEPUTY EXECUTIVE DIRECTOR

JAMES M. PIRO CHIEF COUNSEL

NORMAN E DARMSTATTER

February 24, 1989

B Line Trucking Inc. 67 Ester Street Newark, New Jersey 07105

Attn: Lewis Bryant

RE: NOTICE OF VIOLATION PERMIT NO. 20403500 VIOLATION DATE: 01/17/89 SECTION VIOLATED: 312.1 (B)

Dear Mr. Bryant:

On 01/17/89 a routine inspection was made of your pH monitoring system. The pH recorder charts were reviewed for the period 12/13/88 to 01/16/89. During that period the pH was out of compliance for a total 18.5% hours or 2.2% of the time which included five excursions exceeding one continuous hour. The recorder was also out of calibration. Federal Regulations do not permit excursions of more than 1% in any calendar month or more than 1 hour at any particular time. As a result B-Line has violated the PVSC Rules and Regulations as outlined below:

- 1. 312.1 (B) refers to the discharge of corrosive waste which could cause damage to the sewer system.
- 2. 314.1 refers to the notification procedure to be used in the event an individual user is unable to comply with the limitations contained in the PVSC Rules and Regulations or in the Sewer Connection Permit.
- 3. 317.3 refers to proper maintenance of monitoring equipment.

Since you have demonstrated the inability to maintain your pH within PVSC limits, you are hereby directed to install a suitable pH control system.

Please respond to this letter in writing within 10 days with an explanation for these violations and with a plan to eliminate them in the future. Failure to do so could result in fines and other penalties.

Very truly yours.

PASSAIC VALLEY SEWEBAGE COMMISSIONERS

Carmine T. Perrapato, Executive Director

CTP/mc

cc: Robert Davenport, Deputy Executive Director Frank D'Ascensio City of Newark 849160235

Refurn to:

PASSAIC VALLEY SEWERAGE COMMISSIONERS 790 Brond Street Newark, N. J. 07102

Date: 1/141.611 23 1972

Plant Ref. No. 1350460

WASTE ÉFFLUENT SURVEY

(For Industries Served by the Passaic Valley Sewerage Commissioners)

Plant Name: BARTH SMELTING & REFINING COFF
Address: 99 CHAPEL ST. NEWALK, NJ Zip 02/15
Person and Title to whom any further inquiries should be directed:
1) in Brull - ExECUTIVE VICE PRESIDENT
Phone No.: 589-4908
Number of Employees: 135
Number of Working Days Per Week: FIVE
Number of Shifts Per Day: 3 SHIFTS
Area of Property: 5 7 ACRES Acres, or Sq. Ft
Type of Industry and 4 digit U. S. Standard Industrial Classification No.: 3.2.4
Finished Product(s): COPPER BASE ALLOYED INCOTS
Average Production: 13,000 TONS PER YEAR
Raw Materials Used: NON - FERROUS SCRAP
Brief Description of Operations: SCRAP METRI 15 RECEIVED, GORTED, PAIN STRUCTURE
STO POURRERPIORY FURNICES WHELT IN 15 REPINER PAR CAST WITE INSERTS

Water received in Gallons (Note: multiply cu. ft. x 7.48) Purchased water in 1971 from: City of DIFICELLA Total Purchased 1971: 157 12 2 Well Water 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter Total well water received in 1971: MOME River Water 1st Quarter 2nd Quarter _____ 3rd Quarter 4th Quarter Total river water taken in in 1971: MONE TOTAL OF ALL WATER RECEIVED IN 1971: 157, 12-7 Water Use in 1971: Water to Product (include evaporated and lost water): 257 2000 (05 10) Water to Storm Sewer, River or Ditch: 757 103 225 42 Name of River, Stream, or Tributary, and location of storm sewer or ditch outlet to river, stream. or tributary: 3055 AVE RUTK - 460ND 1808 11 11 11 11 11 both sw. or commercial war North and

VOT APPLICABLE

ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

(Note: Analyses should be based on a 24-hour composite sample)

Characteristics of Plant Waste of any. Indicate units of measure who		combined sewer, after treatment
a) pH:		
c) Temperature:		Yes No
e) Solids Concentration:		
1) Total Solids	Volatile	Mineral
2) Suspended Solids	Volatile	Mineral
f) Oil and Grease Concentration:		
1) Floatable Oils		
2) Emulsified Oils		
g) Chlorides	•••••	
h) Chemical Oxygen Demand (C.O.D).):	
i) 5-day Bio-chemical Oxygen Demand	l (B.O.D.):	
j) Total organic carbon (T.O.C.):	•••••	•••••••••••••••••••••••••••••••••••••••
k) Metallic Ions—Name and concentra hex, and triv. Antimony, Lead, Mer total daily discharge of each metal.	rcury, Copper, Vanadium,	Nickel; give concentration and
1) Toxic Material—Name and concentr	ration e.g., cyanide salts, etc	c.):
m) Solvents—Name and concentration		
n) Resins-Name and concentration	(Lacquers, Varnishes, Synth	netics):
o) Date and time span of sample		
Explain hours, method of discha (continuing for 8 hours per day, 5 days minutes at 100 gal./min.) (Continue 3 M.G.D.) etc.	arge of waste to Sanitary Sos per week at 100 gal./dayous 24 hours steady or wi	ewer and peak rate of flow, e.g., rate) (batch twice a day for 20 ith peaks at 2 P.M., peak rate

a) pH:	b) Turbidity:	.,
c) Temperature:		No
e) Solids Concentration:		
1) Total Solids	Volatile	Mineral
2) Suspended Solids	Volatile	Mineral
f) Oil and Grease Concentration:		
1) Floatable Oils		
2) Emulsified Oils		
g) Chlorides		
h) Chemical Oxygen Demand (C.C	O.D.):	
i) 5-day Bio-chemical Oxygen Dema	and (B.O.D.):	
j) Total Organic Carbon (T.O.C.)	:	
hex, and triv. Antimony, Lead, total daily discharge of each me	ntration (Important—list each metal Mercury, Copper, Vanadium, Nickel tal.):	l; give concentration and
m) Solvents—Name and concentrat	ntration (e.g., cyanide salts, etc.):	
	on (Lacquers, Varnishes, Synthetics):	
o) Date and time span of sample: .		
Do you pretreat any waste before dis	scharge?	•••••
If so, describe process and disposal of	of residue removed:	••••••
		•••••••••••••••••••••••••••••••••••••••
d.		
shall be those shown in the 13th edi	oing sampling and making analyses slition of Standard Methods for the Exo procedure is applicable, the laborat	xamination of Water and
	/ /	nerson breparing report